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Water Resources Data for Mississippi Water Year 1973

Part 1. Surface Water Records

Part 2. Water Quality Records

MARCH 3, 1849

UNITED STATES
DEPARTMENT OF THE INTERIOR

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Water resources data for the 1973 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs. This report contains discharge records for 74 gaging stations; stage and contents for 5 lakes and reservoirs; water quality for 31 gaging stations. Also included are 58 low-flow and 128 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Mississippi.

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Mississippi Air and Water Pollution Control Commission
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1974

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WATER RESOURCES DATA FOR MISSISSIPPI, 1973

Part 1. Surface-Water Records
Part 2. Water-Quality Records

INTRODUCTION

Water resources data for the 1973 water year for Mississippi including records of streamflow or reservoir storage at gaging stations, partial-record stations, and miscellaneous sites, and records of water-quality data on the chemical and physical characteristics of surface water, are given in this report. In Part 1, records are included for 79 gaging stations of which 75 are streamflow discharge stations, and 4 are reservoir or lake stations; also are included records for 58 low-flow partial-record stations, 139 crest-stage partial-record stations, and 79 miscellaneous sites. Locations of gaging stations are shown in Figure 1. In Part 2, data on the quality of surface water (chemical and temperature) were collected from designated sampling sites at predetermined intervals such as monthly, or less frequently. Records are given for 70 sampling stations of which 32 are continuous record stations, 26 are partial-record stations, and 12 are miscellaneous sites. Locations of water-quality stations are shown in Figure 1. A few pertinent stations (not included above) furnished by bordering States are also included in this report. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of L. E. Carroon, district chief. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment have been published since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." More information is given under the headings "Publications" on page 16.

COOPERATION

The U.S. Geological Survey and organizations of the State of Mississippi have had cooperative agreements for the systematic collection of streamflow records since 1931, and for water-quality records since 1964. Organizations that assisted in collecting data through cooperation with the Survey are:

Mississippi Board of Water Commissioners, Jack W. Pepper, water engineer.

Mississippi State Highway Department, E. L. Boteler, director.

Mississippi Research and Development Center, Dr. Kenneth C. Wagner, director.

Mississippi Air and Water Pollution Control Commission, Glen Wood, Jr., executive secretary.

Pat Harrison Waterway District, Pat W. Sellers, executive director.

Pearl River Valley Water Supply District, R. M. Hederman, Jr., president.

Harrison County Development Commission, Tommy Munroe, president.

Jackson County Port Authority, A. F. Dantzler, president.

City of Jackson, Russell C. Davis, mayor.

Assistance in the form of funds or services was given by the Corps of Engineers, Department of the Army, in collecting records for 42 gaging stations published in this report.

Assistance was also furnished by the National Weather Service, NOAA, U.S. Department of Commerce; the Soil Conservation Service, U.S. Department of Agriculture and the Environmental Protection Agency.

The Vicksburg Bridge Commission of Warren County aided in collecting records.

Organizations that supplied data are acknowledged in station descriptions.

DEFINITION OF TERMS

Table for converting English Units to International System (SI) Units is on page 19. Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, 646,315 gallons, or 2,447 cubic meters, and represents a runoff of 0.0372 inch from 1 square mile.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters is determined by the immediate or delayed incubation membrane filter method.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (cfs)."

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Micrograms per liter (ug/l, UG/L) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams or micrograms per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1, page 5.

Partial-record station is a particular site where limited streamflow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to milliequivalents per liter

Ion	Multi-ply by	Ion	Multi-ply by
Aluminum (Al^{+3})*...	0.11119	Iodide (I^{-1})......	0.00788
Ammonia as NH_4^{+1}...	.05544	Iron (Fe^{+3}).......	.05372
Barium (Ba^{+2})......	.01456	Lead (Pb^{+2})*......	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*...	.14411
Bromide (Br^{-1}).....	.01251	Magnesium (Mg^{+2})..	.08226
Calcium (Ca^{+2}).....	.04990	Manganese (Mn^{+2})*.	.03640
Carbonate (CO_3^{-2})..	.03333	Nickel (Ni^{+2})*....	.03406
Chloride (Cl^{-1})....	.02821	Nitrate (NO_3^{-1})...	.01613
Chromium (Cr^{+6})*...	.11539	Nitrite (NO_2^{-1})...	.02174
Cobalt (Co^{+2})*.....	.03394	Phosphate (PO_4^{-3}).	.03159
Copper (Cu^{+2})*.....	.03148	Potassium (K^{+1})...	.02557
Cyanide (CN^{-1})	.03844	Sodium (Na^{+1}).....	.04350
Fluoride (F^{-1}).....	.05264	Strontium (Sr^{+2})*.	.02283
Hydrogen (H^{+1}).....	.99209	Sulfate (SO_4^{-2})...	.02082
Hydroxide (OH^{-1})...	.05880	Zinc (Zn^{+2})*......	.03060

*Constituent reported in micrograms per liter; multiply by factor and divide results by 1,000.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. Station 02479155, Cypress Creek near Janice, has been designated as a Hydrologic bench-mark station.

International Hydrological Decade(IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska. Station 02479000, Pascagoula River at Merrill, has been designated as an IHD Station.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 02430000, which appears just to the left of the station name includes the 2-digit part number "02" plus the 6-digit downstream order number "430000." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (Eastern Gulf of Mexico basins), Part 3 (Ohio River basin), and Part 7 (Lower Mississippi River basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

SURFACE WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 5-, 15-, 30- or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The descriptions of the gaging stations give the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge, it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS;" for reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum dicharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

For gaging stations on lakes and reservoirs the data presented comprise a description of the station and a table showing daily contents. A skeleton table of capacity at given stages is published for all reservoirs.

Data collected at partial-record stations and miscellaneous sites are given in three tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of discharge measurements at miscellaneous sites.

Accuracy of data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; to 3 significant figures between 1,000 and 1,000,000 cfs;

and to 4 significant figures above 1,000,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Mississippi for the period October 1960 to September 1965 are in Water-Supply Papers 1906 and 1920.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Mississippi are compiled in Water-Supply Papers 1304 and 1311 through September 1950, and in 1724 and 1731 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrlogic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging station records are available in computer-usable form and many statistical analyses have been made.

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected in Mississippi at 93 sites during the water year by the following agencies: Records of daily discharge were collected at 9 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 4 sites by the Corps of Engineers, U.S. Army. In addition, records of stage, with periodic discharge observations, were also collected by the Corps of Engineers at approximately 80 additional sites. Information on specific sites can be obtained from the district office of the U.S. Geological Survey at the address given on page II of this report.

WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations.

Water-quality information is presented for chemical quality, microbiological, and water temperature. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, sodium adsorption ratio, specific conductance, and pH. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent periodic observations except for stations where a continuous temperature recorder furnished information from which daily minimums and maximums are obtained.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per liter (mg/l) and water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per liter. To convert temperatures in degrees Celsius to degrees Fahrenheit, see table 2 below.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per liter instead of milligrams per liter. (See "Definition of Terms, p.).

Table 2.--Degrees Celsius (°C) to degrees Fahrenheit (°F)*
(Temperature reported to nearest 0.5°C)

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Solutes

The methods of collecting and analyzing water samples for determining the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals across the channel to determine accurately the solute load.

At chemical quality stations where monitors are installed, the records consist of daily maximum and minimum values for each constituent measured. More detailed records (hourly values) may be obtained from the district office of the U.S. Geological Survey at the address given on page of this report.

Temperature

Water temperatures are measured at most of the water-quality stations. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly average.

Publications

The annual series of water-supply papers that contain information on quality of surface waters in Mississippi are listed below.

Water years	WSP No.
1963	1947
1964	1954
1965	1961
1966	1991, 1994
1967	2011, 2014
1968	2092

HYDROLOGIC CONDITIONS

Streamflow for the 1973 water year was excessive (in the upper 25 percent of record) throughout the entire State, and especially in northern Mississippi. In that area the yearly mean flow of the Tombigbee River at Columbus was approximately twice the median flow. In the Tombigbee basin in northwestern Mississippi, new record flows were established at a significant number of gaging stations. In central and southern Mississippi, although the yearly mean flows were excessive, only a few record peak discharges were observed.

Figure 3 shows the monthly and yearly mean discharge for the 1973 water year at three key gaging stations located in the northern, central, and southern parts of Mississippi. For comparison, the medians of the monthly and yearly discharges for the reference period 1931-60 are also shown. Inspection of the graphs indicates that, with the exception of February, which was a month of nearly-normal streamflow, discharge at all three of the stations was exceptionally high for all of the wet months--December through May.

Most notable of the many storm events during the year was that of March 15 and 16 when rainfall generally in excess of 9 inches (23 cm) fell on the northern half of the State resulting in record floods in the Tombigbee and Yazoo River basins. On the Tombigbee River below Fulton new record peak discharges were set at all of the main stem gaging stations: Bigbee (02433500), Amory (02437000), Aberdeen (02437500), and Columbus (02441500). At stations on the tributary streams: Bull Mountain Creek near Smithville (02433000), Buttahatchee River near Aberdeen (02439400), and Tibbee Creek near Tibbee (02441000), new record peaks were also set. On Yazoo River tributaries in northwestern Mississippi record elevations and contents were set at Sardis Lake on Tallahatchie River near Sardis (07272000), Enid Lake on Yocona River near Enid (07274500), and Grenada Lake on Yalobusha River near Grenada (07284500).

Maximum instantaneous flows cited above can be found in the station data of this report. Special flood reports are being prepared on this flood.

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Skougstad, N. W., Brown, E. R., and Fishman, M. J., 1970, Methods for collection and analysis of water samples for dissolved minerals and gases in water: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. A-1, 160 p.

Table 3.--Factors for converting English units to International System (SI) units

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	25.4	millimeters (mm)
	.0254	meters (m)
feet (ft)	.3048	meters (m)
yards (yd)	.9144	meters (m)
rods	5.0292	meters (m)
miles (mi)	1.609	kilometers (km)
	Area	
acres	4047	square meters (m^2)
	.4047	*hectares (ha)
	.4047	square hectometer (hm^2)
	.004047	square kilometers (km^2)
square miles (mi^2)	2.590	square kilometers (km^2)
	Volume	
gallons (gal)	3.785	**liters (l)
	3.785	cubic decimeters (dm^3)
	3.785x10^{-3}	cubic meters (m^3)
million gallons (10^6 gal)	3785	cubic meters (m^3)
	3.785x10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	28.32	cubic decimeters (dm^3)
	.02832	cubic meters (m^3)
cfs-day (ft^3/s-day)	2447	cubic meters (m^3)
	2.447x10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1233	cubic meters (m^3)
	1.233x10^{-3}	cubic hectometers (hm^3)
	1.233x10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	liters per second (l/s)
	28.32	cubic decimeters per second (dm^3/s)
	.02832	cubic meters per second (m^3/s)
gallons per minute (gpm)	.06309	liters per second (l/s)
	.06309	cubic decimeters per second (dm^3/s)
	6.309x10^{-5}	cubic meters per second (m^3/s)
million gallons per day (mgd)	43.81	cubic decimeters per second (dm^3/s)
	.04381	cubic meters per second (m^3/s)
	Mass	
ton (short)	.9072	tonne (t)

*The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p.15, 1972 edition.

**The unit liter is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.

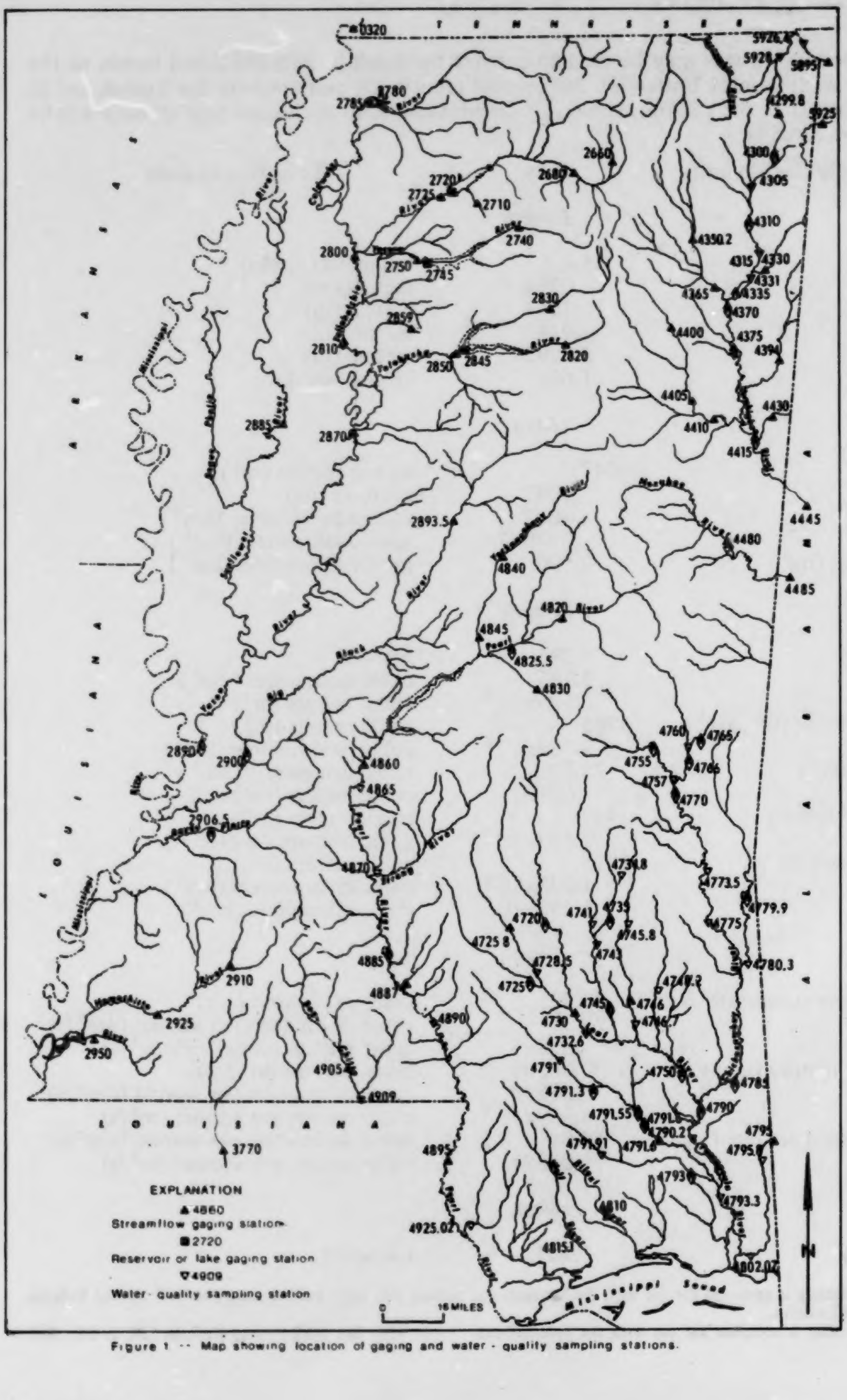
T E N N E S S E E
A R K A N S A S
L O U I S I A N A
L O U I S I A N A
0320
2780
2785
2720
2725
2710
2660
2680
2740
2800
2750
2745
2830
2859
2810
2850
2845
2820
2885
2870
2893.5
2890
2900
2906.5
2910
2925
2950
3770
5926.4
5928
5895
4299.8
5925
4300
4305
4310
4350.2
4315
4330
4331
4365
4335
4370
4400
4375
4390
4405
4410
4430
4415
4445
4480
4485
4840
4820
4845
4825.5
4830
4860
4865
4870
4760
4765
4755
4766
4757
4770
4739.8
4773.5
4779.9
4775
4720
4741
4735
4725.8
4745.8
4743
4728.5
4780.3
4885
4887
4725
4749.2
4745
4746
4730
4746.7
4890
4732.6
4791
4750
4785
4791.3
4905
4909
4791.55
4791.5
4790
4790.2
4795
4795.8
4895
4791.91
4791.6
4793
4793.3
4810
4925.02
4815.1
4802.02
Mississippi
River
Coldwater
Yocona
Tallahatchie
Tallahatchie
Yalobusha
Phillip
Bogue
Sunflower
Yazoo
Big Black
Yockanookany
Noxubee
Pearl
Strong
Homochitto
Buffalo
Bouie
Leaf
Chickasawhay
Pascagoula
Mississippi Sound
EXPLANATION
▲4860
Streamflow gaging station
■2720
Reservoir or lake gaging station
▽4909
Water-quality sampling station
0 16 MILES
N

Figure 1 -- Map showing location of gaging and water-quality sampling stations.

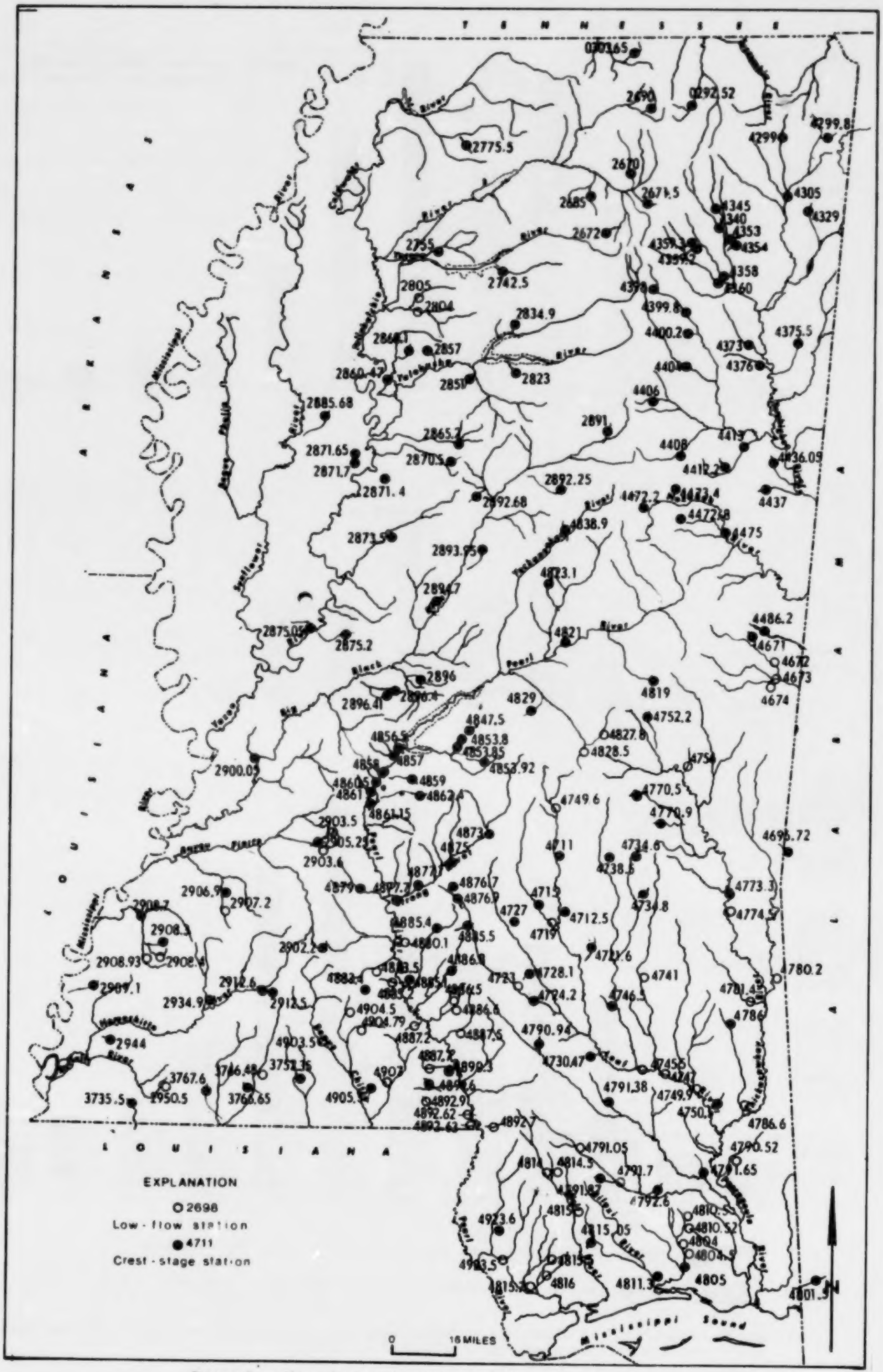
TENNESSEE
ARKANSAS
LOUISIANA
LOUISIANA
Mississippi Sound
0 16 MILES
EXPLANATION
○2698
Low-flow station
●4711
Crest-stage station
2775.5
2690
0292.52
4299
4299.8
2670
2685
2671.5
2672
4305
4329
4345
4340
4353
4354
4358
4360
2755
2742.5
2805
2804
2834.9
2857
2860.47
2850
2823
4399.8
4400.2
4404
4373
4376
4375.5
2885.68
4406
2891
2865.7
2871.65
2871.7
2870.5
2871.4
2892.25
2892.68
4408
4413
4412.2
4436.05
4437
4473.4
4472.2
4475
4838.9
2873.5
2893.95
4823.1
2894.7
2875.05
2875.2
4821
4486.2
4671
4672
4673
4674
2896
2896.4
2896.41
4819
4829
4752.2
4847.5
4853.8
4853.85
4853.92
4856.5
4827.8
4828.5
4754
2900.05
4858
4857
4859
4860
4861
4862.4
4861.15
4770.5
4770.9
4749.6
2903.5
2905.25
2903.6
4873
4875
4711
4734.6
4738.5
4695.72
4879
4877.7
4876.7
4876.9
4715
4727
4712.5
4719
4734.8
4773.3
4774.5
2906.9
2907.2
2908.7
2908.3
2908.93
2908.4
2902.2
4885.4
4880.1
4885.5
4721.6
4741
4780.2
2909.1
2934.9
2912.6
2912.5
4882
4886.5
4733
4728.1
4724.2
4746.5
4781.4
4786
2944
4904.5
4904.79
4887.2
4886.6
4887.5
4790.94
4903.5
4730.47
4745.5
3767.6
3766.48
3752.35
4907
4887.2
4890.3
4891.6
4892.9
4791.38
4749.9
4750.3
3735.5
2950.5
3766.65
4905.5
4892.62
4892.63
4892.7
4786.6
4790.52
4791.05
4814
4814.5
4791.7
4791.65
4815
4791.87
4792.6
4810.5
4810.52
4923.6
4815.05
4804
4804.5
4923.5
4815.8
4815.2
4816
4811.3
4805
4801.5
River
River
River
River
Black
Big
Pearl
Pearl
Pearl
Bayou Pierre
Homochitto
Tallahatchie
Yalobusha
Yazoo
Mississippi
Mississippi
Sunflower
Yockanookany
Leaf
Chickasawhay
Pascagoula
Wolf

Figure 2 -- Map showing location of partial-record stations.

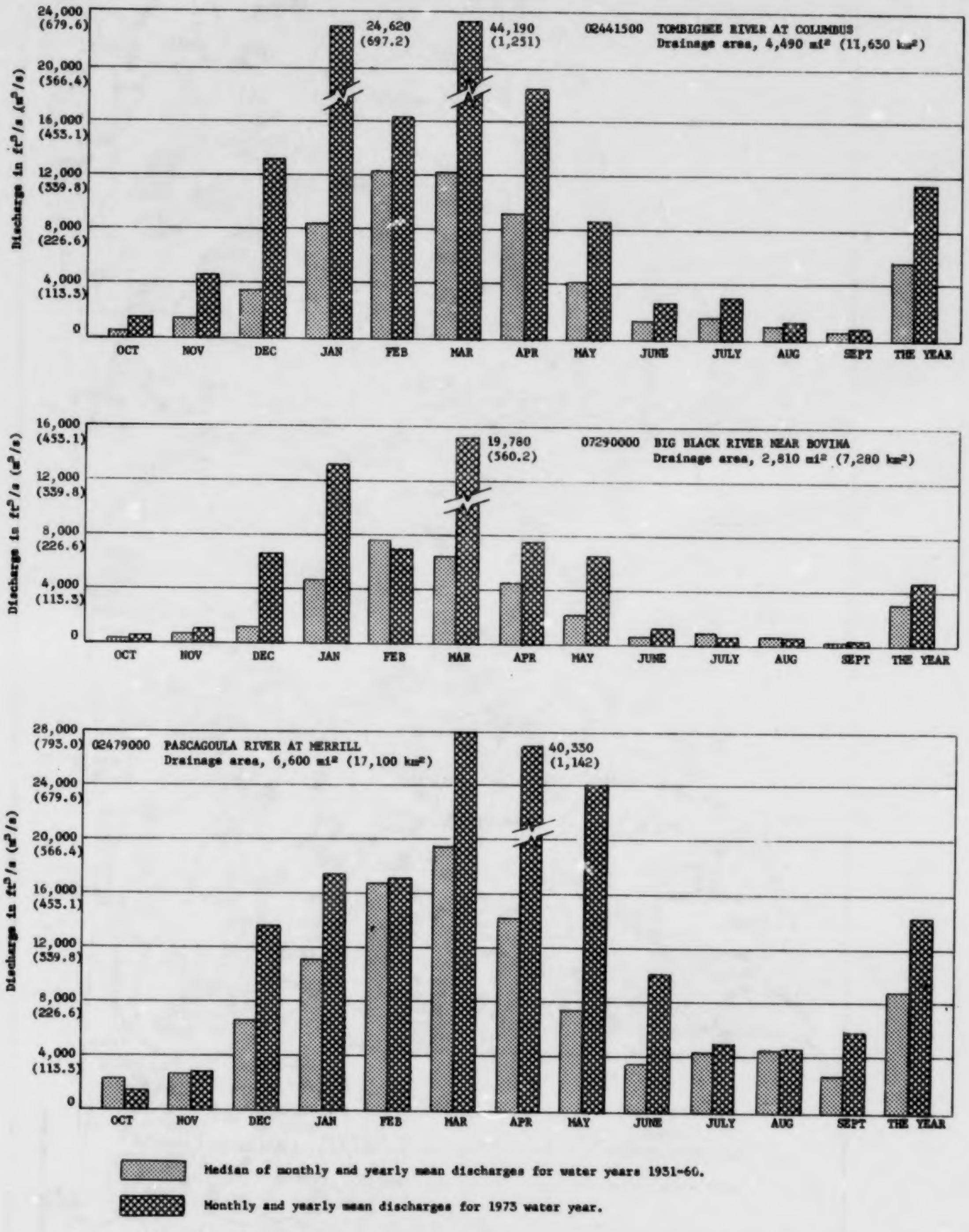

Figure 3.--Comparison of discharge at three long-term representative gaging stations during 1973 water year with median discharge for period 1931-60.

PART 1. SURFACE WATER RECORDS

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429980 Pollard Mill Branch near Paden, Miss.

LOCATION.--Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, at culvert on State Highway 30, 0.8 mile (1.3 km) east of Paden.

DRAINAGE AREA.--2.05 mi^2 (5.31 km^2).

PERIOD OF RECORD.--Annual maximums, water years 1967-72. October 1972 to September 1973.

GAGE.--Water-stage recorder and culvert control. Rain gage located on upstream side of road near culvert entrance.

EXTREMES.--Water year 1973: Maximum discharge, 445 ft^3/s (12.6 m^3/s) Mar. 16 (gage height, 5.65 ft or 1.722 m), from rating extended above 20 ft^3/s (0.57 m^3/s) on basis of computation of peak flow through culvert; minimum, 2.6 ft^3/s (0.074 m^3/s) Oct. 13; minimum gage height, 2.44 ft (0.744 m) Oct. 25-27.

Period of record: Maximum discharge, 445 ft^3/s (12.6 m^3/s) Mar. 16, 1973 (gage height, 5.65 ft or 1.722 m), from rating extended above 20 ft^3/s (0.57 m^3/s) on basis of computation of peak flow through culvert; minimum, 2.6 ft^3/s (0.074 m^3/s) Oct. 13; minimum gage height, 2.44 ft (0.744 m) Oct. 25-27.

REMARKS.--Records fair except those for doubtful or no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	2.9	3.5	10	9.0	4.4	15	6.5	6.5	8.0	4.7	4.0
2	3.3	4.7	3.4	6.0	15	12	10	10	5.0	4.3	4.3	4.0
3	3.0	3.2	3.2	15	9.0	5.4	9.0	20	5.8	3.9	4.3	4.0
4	3.5	2.9	3.5	25	5.0	7.8	10	10	5.6	3.9	4.3	4.0
5	3.0	2.9	3.2	8.0	5.0	5.0	8.0	8.0	25	4.3	4.3	4.0
6	3.1	4.3	7.2	15	4.5	12	7.0	7.0	10	3.9	4.3	4.0
7	3.0	18	3.6	7.0	4.5	20	35	10	7.0	3.9	4.3	4.0
8	3.0	3.9	14	20	15	8.9	20	23	6.4	4.3	6.7	4.0
9	3.0	3.2	52	10	25	5.4	8.0	10	5.0	4.3	5.7	4.0
10	2.9	3.2	54	7.0	10	5.8	6.7	8.0	5.8	4.7	4.7	3.7
11	2.9	2.9	24	6.0	7.0	56	6.4	7.0	5.4	3.9	4.3	3.7
12	2.9	2.9	12	5.4	5.0	26	6.0	15	5.3	3.9	5.4	3.7
13	2.9	4.7	20	5.0	20	10	5.6	8.0	5.2	3.9	14	5.0
14	3.0	3.2	10	4.7	60	40	5.4	7.0	5.1	3.9	8.3	4.7
15	3.0	2.9	28	4.5	25	131	5.2	6.5	10	6.7	4.7	4.3
16	3.1	2.9	15	4.4	10	188	10	6.0	7.0	8.5	4.3	4.3
17	3.1	2.9	10	4.3	9.0	42	8.0	5.6	6.0	5.7	4.3	4.0
18	3.4	3.9	6.0	6.8	7.0	20	25	6.0	5.4	5.0	4.3	4.0
19	3.7	14	4.5	5.6	6.0	13	15	40	5.0	5.0	4.0	4.0
20	3.2	4.1	10	4.3	5.5	10	10	15	35	4.7	4.0	4.0
21	3.2	3.6	8.0	35	5.2	12	8.0	10	20	4.7	4.0	4.0
22	7.2	3.5	6.0	15	5.2	9.0	15	8.0	10	4.7	4.0	3.7
23	4.7	3.4	5.0	7.0	4.9	8.0	60	13	7.0	4.7	4.0	3.7
24	3.2	3.2	4.5	5.5	4.3	38	25	10	5.0	4.3	4.0	4.0
25	3.2	20	4.0	4.9	4.6	30	20	8.0	4.5	4.3	3.7	4.0
26	2.9	7.0	6.0	23	4.4	15	35	10	4.0	4.7	3.7	4.0
27	14	4.5	5.0	11	4.5	10	25	100	3.8	4.7	3.7	4.0
28	3.5	12	4.5	14	4.5	9.0	10	25	5.0	4.7	4.0	4.1
29	2.9	4.3	4.0	8.0	------	10	8.0	10	4.0	4.3	5.4	4.5
30	3.9	3.9	3.7	6.0	------	30	7.0	8.0	3.8	4.3	5.4	6.0
31	3.5	------	37	5.0	------	25	------	7.0	------	5.0	4.3	------
TOTAL	115.2	159.0	374.8	308.4	294.1	818.7	437.3	437.6	240.6	147.1	151.4	123.4
MEAN	3.72	5.30	12.1	9.95	10.5	26.4	14.6	14.1	8.02	4.75	4.88	4.11
MAX	14	20	54	35	60	188	60	100	35	8.5	14	6.0
MIN	2.9	2.9	3.2	4.3	4.3	4.4	5.2	5.6	3.8	3.9	3.7	3.7
CFSM	1.81	2.59	5.90	4.85	5.12	12.9	7.12	6.88	3.91	2.32	2.38	2.00
IN.	2.09	2.89	6.80	5.60	5.34	14.86	7.94	7.94	4.37	2.67	2.75	2.24

WTR YR 1973 TOTAL 3,607.6 MEAN 9.88 MAX 188 MIN 2.9 CFSM 4.82 IN 65.46

NOTE.--Doubtful or no gage-height record Dec. 10 to July 2.

02430000 Mackeys Creek near Dennis, Miss.

LOCATION.--Lat 34°31'34", long 88°19'22", in NE¼SW¼ sec.26, T.6 S., R.9 E., Chickasaw meridian, Tishomingo County, on left bank at downstream side of old crossing 0.1 mile (0.2 km) downstream from bridge on State Highway 4 at Narrows dam site, 6 miles (10 km) southwest of Dennis, and 10 miles (16 km) upstream from confluence with Big Brown Creek.

DRAINAGE AREA.--66.8 mi^2 (173 km^2).

PERIOD OF RECORD.--October 1937 to current year. Prior to January 1944, monthly discharge only, published in WSP 1304. Prior to October 1966, published as Mackys Creek near Dennis.

GAGE.--Water-stage recorder. Datum of gage is 333.47 ft (101.642 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 103 ft^3/s (2.917 m^3/s), 20.94 in/yr (532 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,030 ft^3/s (199 m^3/s) Mar. 16 (gage height, 22.83 ft or 6.959 m); minimum, 35 ft^3/s (0.99 m^3/s) Aug. 25 (gage height, 2.04 ft or 0.622 m).

Period of record: Maximum discharge, 16,300 ft^3/s (462 m^3/s) Mar. 21, 1955 (gage height, 28.44 ft or 8.669 m), from rating curve extended above 6,700 ft^3/s (190 m^3/s) on basis of slope-area measurement of peak flow; minimum since Jan. 1, 1944, 8.2 ft^3/s (0.23 m^3/s) Sept. 3, 4, 5, 1954.

REMARKS.--Records fair, except those for period of no gage-height record, which are poor. Records of chemical analysis for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1939-40(M), 1944-46(M), 1948, 1949(P), 1950(M), 1951. WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	62	84	200	226	105	301	159	84	96	47	57
2	49	69	76	150	269	163	195	153	80	70	49	53
3	40	78	70	250	163	259	175	208	76	56	47	49
4	40	61	68	455	135	181	181	170	69	60	45	47
5	70	57	66	289	122	183	161	145	85	57	47	46
6	57	56	150	320	119	158	148	126	105	57	47	42
7	52	199	100	240	117	498	266	178	83	50	47	45
8	50	226	80	300	388	314	332	213	83	50	45	46
9	49	92	1,000	190	417	209	213	145	81	51	70	45
10	48	74	3,000	145	227	170	188	126	74	55	57	40
11	46	65	1,500	132	166	892	161	132	75	60	47	37
12	45	60	400	119	142	714	155	192	74	57	43	37
13	44	64	500	113	277	202	148	128	74	55	49	36
14	44	87	350	110	1,000	160	140	110	81	55	104	75
15	43	67	1,000	110	557	1,580	140	100	76	57	88	59
16	42	60	600	107	294	5,400	175	99	74	93	65	53
17	41	58	350	93	211	2,180	178	96	71	114	56	45
18	40	60	200	95	178	528	307	93	65	93	56	40
19	41	176	150	183	158	320	555	102	64	77	55	50
20	43	199	140	134	150	240	334	341	319	78	53	45
21	44	98	130	258	134	227	236	197	209	73	47	40
22	43	80	120	594	128	192	142	114	114	61	45	38
23	135	70	110	289	119	178	374	120	80	50	42	37
24	89	65	100	164	117	148	1,190	132	64	57	37	45
25	71	220	90	137	114	589	558	113	59	52	35	43
26	69	265	80	344	111	370	479	96	55	47	35	40
27	119	116	74	358	110	253	642	210	55	52	38	38
28	166	175	70	293	108	199	354	483	57	50	40	41
29	73	151	70	249	------	235	226	190	50	44	40	42
30	61	105	200	164	------	286	190	123	50	42	52	49
31	73	------	400	143	------	490	------	104	------	43	65	------
TOTAL	1,896	3,215	11,328	6,728	6,257	17,623	8,844	4,898	2,586	1,912	1,597	1,370
MEAN	61.2	107	365	217	223	568	295	158	86.2	61.7	51.5	45.7
MAX	166	265	3,000	594	1,000	5,400	1,190	483	318	114	104	75
MIN	40	56	66	93	108	105	140	93	50	42	35	36
CFSM	.92	1.60	5.46	3.25	3.34	8.50	4.42	2.37	1.29	.92	.77	.68
IN.	1.06	1.79	6.31	3.75	3.48	9.81	4.93	2.73	1.44	1.06	.89	.76

CAL YR 1972 TOTAL 41,432 MEAN 113 MAX 3,000 MIN 18 CFSM 1.69 IN 23.07
WTR YR 1973 TOTAL 68,254 MEAN 187 MAX 5,400 MIN 35 CFSM 2.80 IN 38.01

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-10	Unknown	Unknown	Unknown	03-16	1530	22.83	7,030
03-11	2130	12.53	1,550	04-24	0400	13.25	1,690

NOTE.--No gage-height record Dec. 3 to Jan. 3.

02431000 Tombigbee River near Fulton, Miss.

LOCATION.--Lat 34°15'55", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, on left bank at downstream side of bridge on U.S. Highway 78, 1,000 ft (300 m) downstream from Twentymile-Fulton Canal, 2.2 miles (3.5 km) west of Fulton, 6.2 miles (10.0 km) upstream from Mantachie Creek Canal, 13.5 miles (21.7 km) downstream from Twentymile Creek Canal, and at mile 421.8 (678.7 km).

DRAINAGE AREA.--612 mi² (1,585 km²).

PERIOD OF RECORD.--August 1928 to current year. Gage-height records collected at site 800 ft (240 m) upstream 1909-12 are contained in reports of U.S. Weather Bureau. Prior to October 1966, published as East Fork Tombigbee River near Fulton.

GAGE.--Water-stage recorder. Datum of gage is 242.93 ft (74.045 m) above mean sea level. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft (60 m) upstream, and Oct. 27, 1934, to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

AVERAGE DISCHARGE.--45 years, 913 ft³/s (25.86 m³/s), 20.26 in/yr (515 mm/yr).

EXTREMES.--Current year: Maximum discharge, 56,700 ft³/s (1,610 m³/s) Mar. 17 (gage height, 23.00 ft or 7.010 m); minimum discharge, 84 ft³/s (2.38 m³/s) Sept. 23, 25; minimum gage height, 5.19 ft (1.582 m) Aug. 29.

Period of record: Maximum discharge, 82,200 ft³/s (2,330 m³/s) Mar. 22, 1955 (gage height 25.75 ft or 7.849 m), from rating curve extended above 48,000 ft³/s (1,360 m³/s) on basis of estimate of flow made by indirect methods and by logarithmic plotting; minimum observed, 11 ft³/s (0.31 m³/s) Nov. 15, 1971 (temporary regulation); minimum unregulated, 12 ft³/s (0.34 m³/s) Aug. 31 to Sept. 2, 1943; minimum gage height, 0.87 ft (0.265 m) Aug. 12, 1930.

REMARKS.--Records good. Records of chemical analysis for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1032: 1944. WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	628	775	1,580	2,160	1,530	703	4,260	1,970	1,190	247	169	193
2	381	682	1,310	1,710	2,050	713	2,730	1,530	906	299	177	202
3	283	758	1,090	1,780	1,960	1,380	1,940	1,390	729	357	163	193
4	233	611	925	7,190	1,560	1,720	1,510	1,550	585	316	149	169
5	237	496	790	6,490	1,350	1,770	1,260	1,350	550	279	138	125
6	238	429	799	6,050	1,140	1,650	1,100	1,150	1,010	259	128	110
7	203	698	1,070	4,730	1,060	2,320	1,170	1,100	1,000	258	120	107
8	168	3,220	1,060	4,690	1,550	3,060	2,480	1,410	785	277	116	113
9	146	3,140	2,010	3,610	5,370	2,380	2,450	1,460	676	326	119	116
10	127	2,100	9,050	2,290	3,950	1,960	2,160	1,350	593	347	168	110
11	119	1,520	12,200	1,690	2,500	3,770	1,670	1,190	503	500	205	101
12	107	1,160	9,660	1,380	1,740	7,530	1,370	1,320	432	375	162	92
13	106	906	6,960	1,150	1,560	6,040	1,150	1,290	389	300	147	97
14	104	1,160	4,900	1,050	8,280	3,940	1,020	1,040	354	255	221	153
15	118	1,220	4,900	982	8,340	9,060	924	910	363	290	277	205
16	111	946	5,740	922	6,170	41,600	941	774	385	627	210	151
17	105	737	3,450	866	3,550	42,800	1,310	669	373	867	179	136
18	113	628	2,260	819	2,110	15,200	1,540	579	321	757	157	116
19	130	909	1,680	842	1,550	7,060	4,860	531	305	603	145	115
20	129	1,510	1,490	968	1,290	3,990	4,480	991	337	558	132	100
21	139	1,670	1,440	1,090	1,080	2,360	3,970	1,340	412	468	123	84
22	133	1,520	1,330	5,920	960	1,700	2,360	1,250	485	323	113	91
23	372	1,350	1,210	5,300	922	1,420	1,790	1,230	513	253	105	88
24	467	1,100	1,090	3,420	893	1,270	7,330	1,220	499	225	98	85
25	352	1,140	1,020	2,160	879	3,490	8,680	1,090	425	197	95	86
26	273	2,770	940	1,700	829	4,910	7,360	911	335	176	91	89
27	377	2,630	854	3,780	778	4,050	8,560	942	281	174	89	84
28	1,110	2,690	761	3,640	737	2,640	6,530	4,550	254	190	89	88
29	1,060	3,010	699	3,430	------	1,790	4,570	3,600	245	176	92	89
30	805	2,160	673	2,400	------	1,710	2,750	2,420	232	159	144	103
31	778	------	1,380	1,700	------	4,220	------	1,730	------	155	198	------
TOTAL	9,652	43,745	84,321	85,909	65,788	187,996	94,215	43,837	15,469	10,573	4,520	3,551
MEAN	311	1,458	2,720	2,771	2,350	6,064	3,141	1,414	516	341	146	119
MAX	1,110	3,220	12,200	7,190	8,340	42,800	8,680	4,550	1,190	867	277	205
MIN	104	429	673	819	737	703	924	531	232	155	89	84
CFSM	.51	2.38	4.44	4.53	3.84	9.91	5.13	2.31	.84	.56	.24	.19
IN.	.59	2.66	5.13	5.22	4.00	11.43	5.73	2.66	.94	.64	.27	.22

CAL YR 1972 TOTAL 348,219 MEAN 951 MAX 12,200 MIN 42 CFSM 1.55 IN 21.17
WTR YR 1973 TOTAL 649,586 MEAN 1,780 MAX 42,800 MIN 84 CFSM 2.91 IN 39.48

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-11	0100	17.62	13,300	03-12	0200	16.87	8,200
01-04	1300	16.95	8,720	03-17	0100	23.00	56,700
02-14	1700	17.17	10,200	04-25	1100	17.05	9,400

02433000 Bull Mountain Creek near Smithville, Miss.

LOCATION.--Lat 34°05'18", long 88°23'26", in SW¼SE¼ sec.30, T.11 S., R.9 E., Chickasaw meridian, Itawamba County, on right bank at downstream side of old crossing 200 ft (60 m) upstream from bridge on State Highway 25, 0.8 mile (1.3 km) upstream from Mississippian Railway bridge, 1.1 miles (1.8 km) north of Smithville, and 3.5 miles (5.6 km) upstream from mouth.

DRAINAGE AREA.--336 mi² (870 km²).

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 234.81 ft (71.570 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 544 ft³/s (15.41 m³/s), 21.99 in/yr (559 mm/yr).

EXTREMES.--Current year: Maximum discharge, 44,400 ft³/s (1,260 m³/s) Mar. 16 (gage height, 18.26 ft or 5.566 m); minimum discharge, 62 ft³/s (1.76 m³/s) Sept. 27, 28, 29; minimum gage height, 2.34 ft (0.713 m) Oct. 13, 14.

Period of record: Maximum discharge, 44,400 ft³/s (1,260 m³/s) Mar. 16, 1973 (gage height, 18.26 ft or 5.566 m), minimum, 19 ft³/s (0.54 m³/s) Aug. 28 to Sept. 3, 1943 (period of doubtful gage-height record), Sept. 10, 13, 14, 15, 1954.

Flood in December 1926 reached a stage of 15.7 ft (4.785 m) from floodmark (discharge, about 29,000 ft³/s or 821 m³/s), from information by Corps of Engineers.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	242	1,030	1,020	922	441	1,510	997	321	183	363	141
2	237	320	652	1,050	1,120	489	1,680	826	300	183	278	135
3	133	538	518	1,160	1,250	680	1,490	784	282	210	198	142
4	108	648	450	1,650	1,050	777	1,090	874	266	208	168	124
5	101	385	411	2,010	828	758	957	694	252	200	154	108
6	132	290	407	3,140	730	752	855	582	390	207	145	98
7	114	265	552	2,810	658	1,250	906	582	730	224	136	94
8	99	293	527	3,040	952	1,370	1,080	709	685	237	130	94
9	92	364	558	2,640	1,290	1,660	1,240	706	521	292	165	96
10	86	278	1,130	2,280	1,530	1,380	1,080	548	369	304	140	94
11	81	235	1,580	1,760	1,390	1,540	922	471	304	739	131	88
12	76	213	2,150	1,100	936	1,710	805	604	276	814	127	82
13	74	202	2,670	859	916	2,170	744	604	270	374	128	80
14	75	217	2,060	741	2,020	2,090	686	482	319	341	137	86
15	104	275	2,000	683	3,600	1,570	634	414	284	358	149	91
16	95	247	1,890	630	4,400	21,900	666	376	270	474	148	116
17	93	208	1,960	600	2,680	26,900	779	352	280	922	130	99
18	84	199	1,810	580	1,820	6,340	944	334	252	709	120	89
19	79	269	1,080	600	1,150	3,120	1,180	321	243	422	115	82
20	86	557	907	660	913	2,380	1,430	395	466	317	114	81
21	83	578	938	780	788	1,880	1,450	540	412	270	110	78
22	84	399	836	1,800	700	1,460	1,010	426	571	239	104	75
23	132	326	714	2,200	645	1,130	966	343	571	217	98	73
24	245	282	621	1,660	603	988	1,960	332	358	198	93	72
25	248	426	557	1,050	557	1,650	2,510	386	282	178	90	68
26	151	721	514	913	523	1,820	2,480	345	246	163	87	64
27	186	839	478	1,050	499	2,260	2,290	395	230	183	85	63
28	420	864	443	1,200	470	1,880	2,070	667	220	193	83	63
29	601	1,050	416	1,070	------	1,290	2,160	715	207	200	89	67
30	322	1,220	412	971	------	1,110	1,530	456	195	157	121	82
31	234	------	735	826	------	1,480	------	361	------	146	185	------
TOTAL	4,935	12,950	31,006	42,533	34,940	96,225	39,004	16,621	10,372	9,862	4,321	2,725
MEAN	159	432	1,000	1,372	1,248	3,104	1,300	536	346	318	139	90.8
MAX	601	1,220	2,670	3,140	4,400	26,900	2,510	997	730	922	363	142
MIN	74	199	407	580	470	441	634	321	195	146	83	63
CFSM	.47	1.29	2.98	4.08	3.71	9.24	3.87	1.60	1.03	.95	.41	.27
IN.	.55	1.43	3.43	4.71	3.87	10.65	4.32	1.84	1.15	1.09	.48	.30

CAL YR 1972 TOTAL 211,036 MEAN 577 MAX 8,300 MIN 52 CFSM 1.72 IN 23.36
WTR YR 1973 TOTAL 305,494 MEAN 837 MAX 26,900 MIN 63 CFSM 2.49 IN 33.82

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-15	2300	12.11	5,530	03-16	2100	18.26	44,400

02433500 Tombigbee River at Bigbee, Miss.

LOCATION.--Lat 34°00'40", long 88°30'50", in SW¼NE¼ sec.25, T.12 S., R.7 E., Chickasaw meridian, Monroe County, near right bank on downstream side of bridge on State Highway 6, 0.2 mile (0.3 km) upstream from St. Louis-San Francisco Railway bridge, 0.5 mile (0.8 km) southeast of Bigbee, 2 miles (3.2 km) northwest of Amory, and 3.7 miles (6.0 km) upstream from Town Creek.

DRAINAGE AREA.--1,226 mi² (3,175 km²).

PERIOD OF RECORD.--October 1944 to September 1954, October 1963 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1966, published as East Fork Tombigbee River at Bigbee.

GAGE.--Water-stage recorder. Datum of gage is 190.00 ft (57.912 m) above mean sea level (levels by Corps of Engineers). Prior to Sept. 9, 1949, nonrecording gage at same site and datum. Water-stage recorder for Tombigbee River near Amory (sta 02437000), 4.0 miles (6.4 km) downstream, used as an auxiliary gage for this station.

AVERAGE DISCHARGE.--20 years (1944-54, 1963-73), 2,018 ft³/s (57.15 m³/s), 22.35 in/yr (568 mm/yr).

EXTREMES.--Current year: Maximum discharge, 112,000 ft³/s (3,170 m³/s) Mar. 17 (gage height, 27.64 ft or 8.425 m); minimum, 206 ft³/s (5.83 m³/s) Oct. 14 (gage height, 1.92 ft or 0.585 m).
Period of record: Maximum discharge, 112,000 ft³/s (3,170 m³/s) Mar. 17, 1973 (gage height, 27.64 ft or 8.425 m); minimum, 29 ft³/s (0.82 m³/s).

REMARKS.--Records good.

COOPERATION.--Gage-height record and 8 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1946, 1948. WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	960	1,200	4,260	2,440	4,560	1,520	6,050	6,190	3,090	527	460	486
2	1,050	1,310	3,610	2,930	4,730	1,580	6,390	4,550	2,560	604	582	410
3	720	1,490	3,000	4,070	4,440	2,190	5,300	3,650	2,020	623	502	460
4	541	1,560	2,500	6,700	4,120	2,400	5,280	3,530	1,690	650	455	407
5	456	1,280	2,150	6,140	3,560	2,350	4,360	3,120	1,180	945	415	351
6	453	1,000	1,780	11,400	3,280	2,910	3,740	2,710	1,790	850	388	320
7	462	892	1,740	10,800	2,980	4,290	3,360	2,790	1,970	728	369	235
8	404	1,190	1,850	11,300	3,100	4,460	3,750	2,540	1,960	850	349	233
9	335	1,510	2,070	11,000	3,950	4,880	3,760	2,640	1,590	810	351	233
10	298	1,700	3,770	8,210	4,160	5,190	4,050	2,550	1,330	910	379	230
11	265	1,890	5,310	6,960	5,440	5,820	4,040	2,440	1,180	1,430	419	296
12	248	2,040	10,800	5,410	5,630	6,510	3,850	2,550	1,020	1,830	436	262
13	224	2,090	13,600	4,080	4,730	8,230	3,520	2,590	900	1,130	445	250
14	213	2,010	12,200	3,280	7,360	8,850	3,110	2,450	880	810	534	254
15	260	1,750	10,000	2,760	9,080	8,460	2,590	2,220	820	850	485	230
16	285	1,660	8,500	2,360	13,300	31,000	2,520	1,960	775	1,030	502	372
17	262	1,570	7,860	2,090	13,500	102,000	2,390	1,690	800	2,050	440	337
18	236	1,380	7,290	1,890	8,500	65,000	3,580	1,490	766	1,920	393	299
19	215	1,590	5,900	1,740	6,360	29,600	5,340	1,350	704	1,500	366	279
20	236	1,940	4,750	1,670	4,720	16,200	5,480	1,620	1,320	1,350	364	272
21	248	1,970	3,960	1,810	3,550	10,700	6,520	1,790	1,210	1,100	327	256
22	272	1,950	3,510	3,440	3,120	6,960	6,200	1,900	1,330	850	310	250
23	601	1,980	3,050	3,640	2,500	5,410	5,670	1,930	1,320	672	288	268
24	864	1,990	2,670	5,630	2,250	4,360	7,630	1,850	1,100	592	275	236
25	908	2,200	2,390	6,300	2,020	5,780	8,980	1,890	930	534	268	230
26	712	2,310	2,160	5,540	1,940	5,910	12,300	1,850	774	490	260	230
27	724	2,670	1,910	5,290	1,710	7,000	12,500	1,840	669	499	250	230
28	1,360	3,490	1,670	4,760	1,500	7,380	12,000	2,470	619	575	248	232
29	1,600	3,910	1,510	5,360	------	6,520	11,000	2,420	572	528	244	250
30	1,520	4,520	1,460	5,340	------	5,570	8,080	2,920	541	470	300	320
31	1,320	------	2,110	4,880	------	5,900	------	3,330	------	440	569	------
TOTAL	18,232	58,022	139,400	159,210	135,990	384,910	174,540	78,900	37,191	28,156	12,135	8,953
MEAN	588	1,934	4,497	5,136	4,857	12,420	5,818	2,545	1,240	908	391	298
MAX	1,600	4,520	13,600	11,400	13,500	102,000	12,500	6,190	3,090	2,050	569	486
MIN	213	892	1,460	1,670	1,500	1,520	2,390	1,350	541	440	244	230
CFSM	.48	1.58	3.67	4.19	3.96	10.1	4.75	2.08	1.01	.74	.32	.24
IN.	.55	1.76	4.23	4.83	4.13	11.68	5.30	2.39	1.13	.85	.37	.27

CAL YR 1972 TOTAL 677,352 MEAN 1,851 MAX 16,700 MIN 125 CFSM 1.51 IN 20.55
WTR YR 1973 TOTAL 1,235,660 MEAN 3,385 MAX 102,000 MIN 213 CFSM 2.76 IN 37.49

PEAK DISCHARGE (BASE, 12,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-13	1600	16.11	13,600	03-17	1000	27.64	112,000
01-06	1800	16.40	12,600	04-27	0200	16.50	13,100
02-16	2400	16.26	14,600				

02435020 Town Creek at Eason Boulevard at Tupelo, Miss.

LOCATION.--Lat 34°14'08", long 88°41'43", on line between secs.5 and 8, T.10 S., R.6 E., Chickasaw meridian, Lee County, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft (120 m) upstream from Kings Creek, 0.2 mile (0.3 km) downstream from Mud Creek; 0.4 mile (0.6 km) downstream from St. Louis and San Francisco Railroad, and 2.0 miles (3.2 km) upstream from Tulip Creek.

DRAINAGE AREA.--230 mi^2 (596 km^2), includes that of Kings Creek.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft (70.104 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 22,400 ft^3/s (634 m^3/s) Mar. 16 (gage height, 27.05 ft or 8.245 m); minimum, 2.6 ft^3/s (0.074 m^3/s) Aug. 27, 28; minimum gage height, 2.74 ft (0.835 m) part of each day Aug. 27, 28, Sept. 18-19, 22, 24-27.

Period of record: Maximum discharge, 22,400 ft^3/s (634 m^3/s) Mar. 16, 1973 (gage height, 27.05 ft or 8.245 m); minimum, 2.3 ft^3/s (0.065 m^3/s) Oct. 4-5, 1971 (gage height, 2.72 ft or 0.829 m).

REMARKS.--Records good except those for periods of doubtful or no gage-height record, which are poor. Discharge includes flow of Kings Creek.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	95	178	408	1,520	125	669	303	100	15	5.1	3.3
2	19	74	136	231	931	899	419	327	60	20	4.3	4.2
3	13	90	122	4,990	402	1,480	330	653	40	15	4.2	3.7
4	17	53	115	9,880	292	917	296	289	100	13	4.2	4.2
5	23	37	112	1,970	243	686	231	210	280	100	4.2	3.7
6	12	31	985	3,910	212	433	204	178	372	20	3.3	4.8
7	8.4	1,870	352	1,820	186	2,240	1,370	771	170	13	3.3	8.5
8	7.6	1,320	244	2,340	5,510	599	1,320	735	80	24	3.3	4.2
9	6.0	233	5,840	590	1,910	444	541	304	50	17	6.2	3.7
10	6.8	136	11,100	414	483	312	419	198	40	71	4.8	3.7
11	5.0	104	4,510	317	354	8,100	287	274	30	71	9.3	3.7
12	5.3	103	881	250	294	2,390	238	909	25	14	11	3.3
13	4.6	724	1,240	207	3,490	577	189	266	100	9.2	197	4.2
14	53	1,490	784	195	10,900	727	161	195	150	7.9	55	4.2
15	13	239	4,150	195	2,060	12,000	149	130	100	9.5	15	4.2
16	11	131	1,120	169	542	20,700	1,250	110	40	143	7.7	3.7
17	7.6	110	460	152	452	12,500	696	100	25	90	5.5	3.7
18	57	174	346	151	368	2,010	1,930	90	20	25	4.9	3.3
19	25	2,460	362	969	303	1,110	1,790	150	15	13	4.2	3.3
20	11	794	645	285	245	782	948	1,670	13	9.9	3.7	3.3
21	8.4	237	414	5,010	203	650	461	268	80	8.5	3.3	4.2
22	46	156	316	7,310	179	566	305	150	40	11	3.0	3.3
23	324	118	226	772	169	505	2,060	100	30	8.4	3.3	3.3
24	57	113	182	470	152	624	3,490	397	22	6.5	3.0	3.3
25	22	3,330	150	350	145	4,780	3,180	150	19	5.8	2.9	3.3
26	14	1,520	132	2,820	141	814	4,360	120	16	5.3	2.8	3.0
27	510	330	119	2,160	138	533	5,030	1,700	14	4.8	2.9	3.7
28	481	1,400	112	1,200	130	413	722	2,600	13	4.4	2.9	4.2
29	103	489	113	747	------	621	495	498	30	4.3	2.9	7.7
30	73	257	565	424	------	633	381	250	20	4.2	4.9	4.2
31	289	------	2,570	337	------	2,440	------	150	------	7.1	3.7	------
TOTAL	2,283.7	18,218	38,581	50,961	31,954	81,610	33,911	14,235	2,093	770.8	391.2	121.1
MEAN	73.7	607	1,245	1,644	1,141	2,633	1,130	459	69.8	24.9	12.5	4.04
MAX	510	3,330	11,100	9,880	10,900	20,700	5,030	2,600	372	143	197	8.5
MIN	4.6	31	112	151	130	125	149	90	13	4.2	2.8	3.0
CFSM	.32	2.64	5.41	7.15	4.96	11.4	4.91	2.00	.30	.11	.05	.02
IN.	.37	2.95	6.24	8.24	5.17	13.20	5.48	2.30	.34	.12	.06	.02

CAL YR 1972 TOTAL 124,125.2 MEAN 339 MAX 11,100 MIN 3.0 CFSM 1.47 IN 20.08
WTR YR 1973 TOTAL 275,129.8 MEAN 754 MAX 20,700 MIN 2.8 CFSM 3.28 IN 44.50

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-10	1615	23.75	11,900	02-14	0345	23.91	12,200
01-04	0345	24.07	12,500	03-11	1345	23.42	11,300
01-22	0030	23.67	11,700	03-16	1400	27.05	22,400
02-08	1445	22.37	9,390	04-26	2300	22.75	10,000

NOTE.--Doubtful or no gage-height record May 15 to July 6.

02436500 Town Creek near Nettleton, Miss.

LOCATION.--Lat 34°03'32", long 88°37'40", in NW¼ sec.12, T.12 S., R.6 E., Chickasaw meridian, Monroe County, on right bank at downstream side of bridge on U.S. Highway 45, 1.9 miles (3.1 km) downstream from Tallabinnela Creek, 2 miles (3 km) downstream from Tubbalubba Creek, and 2.1 miles (3.4 km) south of Nettleton.

DRAINAGE AREA.--617 mi² (1,598 km²).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304. Prior to October 1970, published as West Fork Tombigbee River near Nettleton.

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft (59.134 m) above mean sea level (Corps of Engineers bench mark). Prior to Oct. 1, 1947, at datum 10.00 ft (3.048 m) higher.

AVERAGE DISCHARGE.--34 years, 908 ft³/s (25.71 m³/s), 19.98 in/yr (507 mm/yr).

EXTREMES.--Current year: Maximum discharge, 72,600 ft³/s (2,060 m³/s) Mar. 16 (gage height, 32.73 ft or 9.976 m); minimum, 20 ft³/s (0.57 m³/s) Sept. 23, 25, 26 (gage height, 5.23 ft or 1.594 m).

Period of record: Maximum discharge, 151,000 ft³/2 (4,280 m³/s) Mar. 22, 1955 (gage height, 33.88 ft or 10.327 m); minimum, 0.8 ft³/s (.023 m³/s) Sept. 14, 15, 1942.

Maximum stage known since at least 1892, that of Mar. 22, 1955. Flood of Dec. 24, 1926, reached a stage of 32.5 ft (9.91 m), present datum, from floodmark.

REMARKS.--Records good except those for periods of no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 1504: 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	155	174	517	1.270	3.270	296	1.900	921	350	120	73	33
2	78	345	401	737	2.590	1.540	1.040	798	300	150	51	29
3	51	231	344	8.290	1.140	2.770	948	2.290	350	90	43	29
4	45	136	319	10.800	463	2.120	749	1.050	300	90	42	27
5	100	96	300	6.970	739	1.970	630	724	280	894	35	27
6	70	82	1.210	8.930	559	1.110	551	592	700	422	34	30
7	50	930	956	5.170	575	4.660	2.570	1.990	450	524	33	117
8	35	1.970	476	5.990	5.760	1.700	3.020	2.310	350	709	33	93
9	28	470	5.600	2.100	4.190	1.840	1.310	1.030	300	520	45	57
10	30	292	13.400	1.290	1.300	944	1.020	662	350	406	41	48
11	26	211	8.180	959	998	10.100	702	554	250	753	45	42
12	24	170	3.070	755	923	5.990	588	1.990	210	190	53	37
13	23	421	3.170	615	4.100	1.850	541	756	200	144	665	35
14	100	2.060	2.670	565	12.500	1.780	450	513	350	130	877	36
15	60	496	6.260	555	5.960	12.400	403	619	300	117	140	35
16	70	300	3.320	483	2.000	53.800	2.670	350	220	554	75	30
17	60	238	1.340	432	1.350	29.000	2.150	316	180	721	57	33
18	150	308	968	407	1.030	9.600	5.050	277	160	239	49	27
19	70	2.830	989	1.310	944	4.100	4.870	255	150	394	40	25
20	50	1.920	1.690	702	705	2.900	1.930	1.570	400	295	35	23
21	40	578	1.220	5.550	595	2.200	1.180	619	250	168	36	23
22	50	417	887	8.210	513	1.700	773	333	300	138	30	23
23	300	304	629	2.750	480	1.400	5.320	256	250	121	29	21
24	150	245	522	1.240	422	1.200	9.930	591	200	108	27	25
25	100	3.070	446	980	384	8.700	6.530	356	150	100	27	21
26	80	2.790	396	3.390	363	2.200	6.050	300	130	83	27	21
27	400	833	347	3.950	348	1.400	7.330	2.000	120	54	24	23
28	350	4.300	316	2.310	316	1.000	2.620	4.000	110	51	25	28
29	150	1.660	291	1.750	------	1.400	1.560	1.500	200	46	23	32
30	120	751	1.210	1.080	------	1.740	1.170	600	150	42	41	46
31	333	------	4.580	892	------	4.390	------	450	------	55	65	------
TOTAL	3.348	28.616	66.024	90.432	54.906	177.700	75.355	30.392	8.010	8.388	2.799	1.065
MEAN	108	954	2.130	2.917	1.957	5.732	2.512	980	267	271	90.3	35.5
MAX	400	4.300	13.400	10.800	12.500	53.800	9.930	4.000	700	894	877	117
MIN	23	82	291	407	316	296	403	255	110	42	23	21
CFSM	.18	1.55	3.45	4.73	3.17	9.29	4.07	1.59	.43	.44	.15	.06
IN.	.20	1.73	3.98	5.45	3.30	10.71	4.54	1.83	.48	.51	.17	.06

CAL YR 1972 TOTAL 248.314.0 MEAN 678 MAX 13.400 MIN 3.0 CFSM 1.10 IN 14.97
WTR YR 1973 TOTAL 546.935.0 MEAN 1.498 MAX 53.800 MIN 21 CFSM 2.43 IN 32.98

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-10	1300	26.71	16,100	03-16	1330	32.73	72,600
01-03	2030	27.01	17,400				

NOTE.--No gage-height record Oct. 4-30 and May 26 - July 3.

02437000 Tombigbee River near Amory, Miss.

LOCATION.--Lat 33°59'10", long 88°33'05", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw meridian, Monroe County, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mile (0.5 km) downstream from Town Creek, 3.5 miles (5.6 km) west of Amory, and at mile 378.9 (609.7 km).

DRAINAGE AREA.--1,924 mi² (4,983 km²).

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October and November 1937, published in WSP 1704.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft (54.358 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft (460 m) upstream at same datum. Oct. 10, 1939, to Oct. 16, 1948, nonrecording gage at present site and datum. Water-stage recorder for station at Aberdeen (sta 02437500), 20 miles (30 km) downstream, was used as an auxiliary gage for this station 1950-58.

AVERAGE DISCHARGE.--36 years, 2,982 ft³/s (84.45 m³/s), 21.05 in/yr (535 mm/yr).

EXTREMES.--Current year: Maximum discharge, 162,000 ft³/s (4,590 m³/s) Mar. 17 (gage height, 34.65 ft or 10.561 m); minimum, 240 ft³/s (6.80 m³/s) Oct. 14 (gage height, 3.86 ft or 1.177 m).
Period of record: Maximum discharge, 162,000 ft³/s (4,590 m³/s) Mar. 17, 1973 (gage height, 34.65 ft or 10.561 m); minimum discharge, 45 ft³/s (1.27 m³/s) Sept. 20, 1954; minimum gage height, 0.77 ft (0.235 m) Sept. 1, 1943.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Gage-height record and 9 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,150	1,550	4,830	4,870	5,460	2,190	9,100	8,630	3,760	600	960	596
2	1,200	1,780	4,250	3,750	8,200	2,950	7,950	6,690	3,280	900	760	452
3	755	2,060	3,450	6,810	5,450	4,820	7,520	6,920	2,520	910	572	472
4	570	1,910	3,230	14,200	5,000	4,240	6,470	5,520	1,880	760	464	420
5	490	1,550	2,830	15,600	4,450	4,950	5,620	4,620	1,450	2,230	411	378
6	459	1,140	2,920	16,900	4,060	6,050	4,700	3,900	3,190	1,950	372	335
7	456	1,570	3,290	16,900	3,720	7,790	6,190	6,560	2,520	1,360	352	375
8	400	3,580	2,630	16,600	6,620	5,860	9,460	6,410	2,660	2,170	335	378
9	354	2,310	5,900	13,200	9,400	6,300	6,020	4,360	2,110	1,460	338	335
10	322	2,200	13,300	10,000	6,290	5,740	5,690	3,610	1,700	1,600	394	328
11	307	2,320	17,000	8,100	5,470	10,200	5,110	3,290	1,350	3,140	405	308
12	276	2,440	16,900	6,520	5,700	14,100	4,910	5,130	1,190	2,690	476	290
13	255	2,580	14,500	5,100	6,070	10,400	4,500	3,970	1,180	1,550	862	278
14	248	4,150	16,000	4,130	14,200	9,740	4,040	3,300	1,380	1,050	2,140	280
15	378	2,750	14,500	3,620	15,300	14,400	3,500	2,860	1,390	1,010	800	315
16	334	2,220	12,900	3,210	13,500	59,200	6,640	2,440	1,300	1,560	664	330
17	297	2,970	9,590	2,860	12,500	149,000	6,380	2,060	1,060	3,450	540	366
18	276	1,740	8,180	2,620	10,000	35,100	7,000	1,670	1,000	2,620	452	332
19	297	3,830	6,910	3,120	7,590	60,400	12,300	1,510	905	2,030	393	315
20	281	4,900	6,220	2,650	5,470	22,200	8,230	3,100	1,560	2,120	366	288
21	279	2,820	5,350	4,830	4,740	16,500	8,180	2,510	1,370	1,410	350	282
22	282	2,460	4,590	11,200	4,000	10,900	7,520	2,350	1,510	1,150	325	275
23	1,300	2,560	3,910	8,830	3,530	8,650	7,860	2,150	1,520	850	305	260
24	1,170	2,470	3,460	6,400	3,210	7,330	15,300	2,600	1,310	700	285	258
25	980	4,610	3,110	6,550	2,470	13,300	17,500	2,360	1,080	620	278	258
26	738	6,940	2,820	7,150	2,470	12,200	15,700	2,210	900	572	270	250
27	1,250	6,120	2,590	9,520	2,500	9,590	19,500	2,690	760	576	260	242
28	2,490	6,960	2,320	7,620	2,310	9,180	15,100	5,710	760	652	260	255
29	2,080	7,320	2,100	6,870	------	8,470	12,800	3,740	810	590	255	275
30	1,470	8,150	2,350	5,990	------	9,050	10,900	3,670	535	500	300	350
31	1,750	------	5,700	5,400	------	10,800	------	3,960	------	468	655	------
TOTAL	23,794	96,350	206,890	238,970	183,360	585,940	262,250	117,530	48,041	43,198	15,570	9,616
MEAN	768	3,145	6,609	7,709	6,549	18,930	8,742	3,795	1,601	1,393	502	320
MAX	2,490	7,320	17,000	16,900	15,300	149,000	19,500	8,630	3,760	3,450	2,140	596
MIN	248	1,140	2,100	2,620	2,310	2,190	3,500	1,510	535	468	255	242
CFSM	.40	1.63	3.43	4.01	3.40	9.84	4.54	1.97	.83	.72	.26	.17
IN.	.46	1.82	3.96	4.62	3.54	11.35	5.07	2.27	.93	.84	.30	.19

CAL YR 1972 TOTAL 992,563 MEAN 2,712 MAX 27,600 MIN 138 CFSM 1.41 IN 19.19
WTR YR 1973 TOTAL 1,828,907 MEAN 5,011 MAX 149,000 MIN 242 CFSM 2.60 IN 35.36

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-11	0900	22.85	17,300	03-17	1200	34.65	162,000
01-08	0600	23.79	17,300	04-25	0200	23.20	18,000
02-15	0200	23.64	16,900				

02437500 Tombigbee River at Aberdeen, Miss.

LOCATION.--Lat 33°49'14", long 88°31'07", in N½ sec.27, T.14 S., R.19 W., Huntsville meridian, Monroe County, on left bank at downstream side of bridge on U.S. Highway 45, 1.3 miles (2.1 km) downstream from St. Louis-San Francisco Railway bridge, 1.5 miles (2.4 km) east of Aberdeen, 2 miles (3 km) downstream from Matubby Creek, 6 miles (10 km) downstream from Halfway Creek, and 13 miles (21 km) upstream from McKinley Creek.

DRAINAGE AREA.--2,169 mi^2 (5,618 km^2).

PERIOD OF RECORD.--August 1928 to September 1958, October 1958 to September 1971 (annual maximums only), October 1971 to current year. Gage-height records collected at site 1.3 miles (2.1 km) upstream since 1909 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 154.71 ft (47.156 m) above mean sea level (Corps of Engineers bench mark). Prior to Nov. 5, 1934, nonrecording gage at site 1.3 miles (2.3 km) upstream, and Nov. 6, 1934 to Aug. 30, 1939, nonrecording gage at present site, all at present datum.

AVERAGE DISCHARGE.--32 years (1928-58, 1971-73), 3,183 ft^3/s (90.14 m^3/s), 19.93 in/yr (506 mm/yr).

EXTREMES.--Current year: Maximum discharge, 123,000 ft^3/s (3,480 m^3/s) Mar. 18 (gage height, 45.02 ft or 13.722 m), minimum, 235 ft^3/s (6.66 m^3/s) Sept. 27; minimum gage height, 3.68 ft (1.122 m) Oct. 15.

Period of record: Maximum discharge, 123,000 ft^3/s (3,480 m^3/s) Mar. 18, 1973 (gage height, 45.02 ft or 13.722 m); minimum discharge, 58 ft^3/s (1.64 m^3/s) Sept. 1, 2, 1943; minimum gage height, 0.77 ft (0.235 m) Sept. 12, 13, 1954.

A flood on Mar. 23, 1955, reached a stage of 45.3 ft (13.81 m), and a stage of 44.8 ft (13.66 m) occurred April 20, 1892 at former site.

REMARKS.--Records fair, except those for periods of doubtful or no gage-height record, which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS.--WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,270	1,490	5,810	6,400	7,500	2,800	10,700	13,400	3,740	810	920	732
2	1,130	1,530	4,660	6,600	8,990	3,500	10,100	11,300	3,370	1,200	900	596
3	952	2,520	3,770	7,400	9,060	4,500	9,100	9,390	2,980	1,200	800	527
4	683	1,820	3,180	9,400	7,940	4,000	8,240	7,950	2,400	1,100	630	533
5	564	1,610	2,750	10,800	6,550	3,700	7,220	6,150	2,100	1,600	540	490
6	523	1,240	2,390	13,000	5,100	5,800	5,790	4,150	2,960	2,970	470	433
7	509	1,090	3,240	16,000	4,190	8,020	5,080	3,670	2,920	2,300	440	400
8	480	2,790	2,590	19,000	5,160	9,340	7,260	6,120	2,500	2,700	420	472
9	421	2,610	3,710	17,000	8,500	9,190	7,620	5,830	2,300	1,900	420	423
10	377	1,990	7,270	18,900	9,390	8,510	6,720	4,030	2,100	2,000	440	410
11	345	2,000	11,000	14,500	8,380	9,160	5,560	3,250	1,800	2,290	470	394
12	318	2,090	13,400	12,000	7,450	12,500	4,880	4,340	1,500	2,880	560	359
13	302	2,170	14,300	9,800	6,990	14,100	4,390	5,550	1,300	2,000	1,000	342
14	282	3,180	15,200	7,000	10,400	13,400	3,950	3,720	1,500	1,600	1,980	364
15	296	3,250	13,600	5,100	15,300	13,600	3,450	2,980	1,600	1,400	2,060	390
16	403	2,140	11,000	4,350	16,900	33,900	3,610	2,590	1,500	1,800	1,300	417
17	344	1,890	9,200	3,220	16,200	90,700	6,190	2,440	1,300	2,640	850	459
18	313	1,710	8,000	2,830	15,200	117,000	6,530	2,300	1,200	2,710	600	410
19	296	2,650	7,000	2,790	11,000	82,600	9,560	2,180	1,100	2,400	500	371
20	310	5,220	6,100	3,150	8,500	44,000	10,900	2,350	1,600	2,000	440	360
21	304	3,610	6,600	3,500	6,500	28,000	10,100	3,150	2,200	1,600	400	329
22	309	2,560	5,400	8,250	5,400	19,500	9,020	2,350	2,100	1,400	360	316
23	913	2,310	4,800	10,300	4,900	15,100	8,310	2,290	2,500	1,100	340	302
24	1,600	2,220	4,500	10,300	4,000	12,400	10,100	2,200	1,800	900	325	294
25	1,080	3,270	3,800	9,130	3,500	12,700	14,600	2,460	1,400	760	320	290
26	895	6,450	3,500	8,720	3,400	14,400	16,800	2,380	1,100	700	315	280
27	598	5,940	3,300	9,530	3,200	13,700	18,000	2,280	930	680	310	280
28	2,710	5,490	3,100	10,200	3,000	12,100	19,400	4,550	980	880	310	290
29	2,230	7,570	2,800	9,670	------	10,900	17,600	5,010	1,000	700	310	304
30	1,780	7,080	4,500	8,810	------	9,970	15,300	3,650	900	640	315	425
31	1,540	------	6,800	7,840	------	10,200	------	3,690	------	620	500	------
TOTAL	24,377	91,490	197,270	285,490	222,700	649,290	276,180	137,710	56,580	49,480	19,565	11,921
MEAN	786	3,050	6,364	9,209	7,954	20,940	9,206	4,442	1,886	1,596	630	397
MAX	2,710	7,570	15,200	19,000	16,900	117,000	19,400	13,400	3,740	2,970	2,060	732
MIN	282	1,090	2,390	2,790	3,000	2,800	3,450	2,180	980	620	310	280
CFSM	.36	1.41	2.93	4.25	3.67	9.65	4.24	2.05	.87	.74	.29	.18
IN.	.42	1.57	3.38	4.90	3.82	11.14	4.74	2.36	.97	.85	.34	.20

CAL YR 1972 TOTAL 1,063,067 MEAN 2,905 MAX 32,300 MIN 177 CFSM 1.34 IN 18.23
WTR YR 1973 TOTAL 2,022,033 MEAN 5,540 MAX 117,000 MIN 280 CFSM 2.55 IN 34.68

NOTE.--Doubtful or no gage-height record Dec. 15 to Jan. 15, and June 4 to Aug. 29.

02439400 Buttahatchee River near Aberdeen, Miss.

LOCATION.--Lat 33°47'28", long 88°18'52", in NW¼ sec.3, T.15 S., R.17 W., Huntsville meridian, Monroe County, near right bank on downstream side of bridge on county highway, 10 miles (16 km) downstream from Sipsey Creek, and 13 miles (21 km) southeast of Aberdeen.

DRAINAGE AREA.--787 mi² (2,038 km²).

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 220.77 ft (67.291 m) above mean sea level (Mississippi State Highway bench mark).

AVERAGE DISCHARGE.--7 years, 1,342 ft³/s (38.01 m³/s), 23.16 in/yr (588 mm/yr).

EXTREMES.--Current year: Maximum discharge, 80,000 ft³/s (2,270 m³/s) Mar. 17 (gage height, 23.48 ft or 7.157 m, observed at crest); minimum, 161 ft³/s (4.56 m³/s) Oct. 14 (gage height, 4.59 ft or 1.399 m).
Period of record: Maximum discharge, 80,000 ft³/s (2,270 m³/s) Mar. 17, 1973 (gage height 23.48 ft or 7.157 m, observed at crest); minimum, 117 ft³/s (3.31 m³/s) Sept. 16, 1972 (gage height, 4.26 ft or 1.298 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	482	328	1,190	2,370	2,080	921	3,060	2,900	987	446	345	553
2	509	337	888	2,850	2,450	932	4,690	2,310	967	425	403	450
3	317	591	747	3,170	2,960	1,220	5,460	2,220	901	432	403	400
4	246	943	660	3,260	3,510	1,590	3,900	2,200	729	491	342	450
5	222	663	619	4,470	3,160	1,790	2,870	1,970	566	813	312	350
6	213	458	605	7,450	2,400	2,040	2,410	1,580	530	705	294	300
7	206	372	633	7,670	1,920	2,000	2,240	1,390	587	831	283	250
8	198	458	693	9,490	1,960	2,090	2,410	1,950	593	735	274	300
9	189	780	657	8,770	2,280	2,230	2,900	2,120	741	793	267	290
10	178	622	1,310	7,960	2,910	1,960	2,950	2,010	663	642	338	250
11	175	476	2,160	6,800	3,220	2,120	2,580	1,510	585	858	392	230
12	167	415	2,640	4,600	2,570	2,460	2,180	1,550	582	1,730	352	220
13	163	387	3,190	3,170	2,170	2,970	1,850	2,150	780	1,550	336	210
14	162	418	3,280	2,460	2,560	3,640	1,570	2,090	1,380	876	415	210
15	170	588	3,140	1,990	3,760	3,450	1,480	1,500	1,070	1,130	769	220
16	284	528	3,310	1,690	6,710	12,600	1,370	1,150	964	925	610	250
17	339	432	4,200	1,470	7,310	63,900	1,430	975	789	1,410	445	300
18	254	389	5,060	1,310	4,910	37,000	1,590	885	729	2,120	363	250
19	220	446	3,940	1,200	3,140	14,400	1,700	828	530	1,690	350	230
20	194	813	2,470	1,140	2,440	7,600	1,980	921	584	953	334	210
21	183	1,200	2,090	1,210	2,040	5,600	1,890	1,800	777	762	305	200
22	181	849	2,050	2,030	1,720	4,270	1,620	1,710	1,280	653	292	190
23	210	642	1,910	2,710	1,510	3,350	1,520	1,100	1,040	582	261	180
24	302	543	1,610	3,930	1,380	2,800	2,320	971	783	517	247	180
25	423	566	1,330	4,370	1,260	3,130	3,800	1,150	642	473	240	170
26	316	1,040	1,130	2,960	1,140	3,850	8,140	987	554	434	234	170
27	297	1,540	987	2,420	1,050	5,360	7,980	914	507	403	230	170
28	494	1,170	888	2,560	991	5,160	6,340	1,520	481	415	225	180
29	777	1,220	825	2,560	------	3,620	5,120	2,220	560	449	229	190
30	543	1,620	795	2,410	------	2,800	3,920	2,210	510	367	279	250
31	391	------	1,460	2,110	------	2,740	------	1,420	------	342	515	------
TOTAL	9,005	20,834	56,467	112,550	75,411	209,593	93,170	50,131	22,591	24,952	10,685	7,833
MEAN	290	694	1,822	3,631	2,693	6,761	3,106	1,617	756	805	345	261
MAX	777	1,620	5,060	9,490	7,310	63,900	8,140	2,900	1,380	2,120	769	553
MIN	162	328	605	1,140	991	921	1,370	828	481	342	225	170
CFSM	.37	.88	2.32	4.61	3.42	8.59	3.95	2.05	.96	1.02	.44	.33
IN.	.43	.98	2.67	5.32	8.56	9.91	4.40	2.37	1.07	1.18	.51	.37

CAL YR 1972 TOTAL 402,910 MEAN 1,101 MAX 13,700 MIN 119 CFSM 1.40 IN 19.04
WTR YR 1973 TOTAL 693,322 MEAN 1,900 MAX 63,900 MIN 162 CFSM 2.41 IN 32.77

PEAK DISCHARGE (BASE, 6,000 CFS)

NOTE: No gage-height record from 1000 to 1600 March 17.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-08	1900	15.96	10,200	03-27	2000	14.34	6,080
02-16	2400	15.22	8,030	04-03	0100	14.39	6,180
03-17	1200	23.48†	80,000	04-26	2000	15.67	9,310

†Observed at crest.

02440000 Chuquatonchee Creek near Egypt, Miss.

LOCATION.--Lat 33°50'30", long 88°46'30", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw meridian, Chickasaw County, near left bank on downstream side of bridge on State Highway 8, 4.5 miles (7.2 km) southwest of Egypt, and 11.5 miles (18.5 km) upstream from Houlka Creek.

DRAINAGE AREA.--170 mi² (440 km²), approximately.

PERIOD OF RECORD.--October 1951 to current year. Prior to October 1965, published as Chookatonchee Creek near Egypt.

GAGE.--Water-stage recorder. Datum of gage is 221.07 ft (67.382 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1969, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--22 years, 199 ft³/s (5.635 m³/s), 15.90 in/yr (404 mm/yr).

EXTREMES.--Current year: Maximum discharge, 36,300 ft³/s (1,030 m³/s) Mar. 16 (gage height, 16.61 ft or 5.063 m); minimum daily, 0.80 ft³/s (0.023 m³/s) Oct. 21.

Period of record: Maximum discharge, 36,300 ft³/s (1,030 m³/s) Mar. 16, 1973 (gage height, 16.61 ft or 5.063 m); no flow at times, many years.

Flood of Mar. 28, 1951, reached a stage of 15.47 ft (4.715 m), present datum, from records of Corps of Engineers.

REMARKS.--Records fair except those for periods of no gage-height record and those below 10 ft³/s (0.28 m³/s), which are poor. Occasional slight regulation at low water, the result of releases from Davis Lake.

COOPERATION.--Gage-height record and three discharge measurements furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	14	92	325	1,040	103	427	196	52	19	25	13
2	5.8	33	71	149	581	368	225	177	45	20	21	13
3	3.8	38	63	1,730	295	340	178	245	45	18	19	13
4	3.1	22	60	3,950	230	616	149	175	42	19	18	12
5	3.1	16	58	1,620	209	436	120	144	40	57	16	12
6	2.2	14	108	3,370	192	273	110	132	115	163	15	[illegible]
7	1.8	36	92	2,280	800	1,530	794	699	92	112	14	140
8	1.8	60	70	2,330	1,500	449	982	903	75	72	13	[illegible]
9	1.5	29	742	738	1,060	893	288	211	52	37	30	39
10	1.4	21	2,220	376	300	250	203	134	44	330	20	30
11	1.2	16	3,070	301	230	2,030	147	253	40	150	17	26
12	1.2	14	621	242	190	1,860	129	600	119	90	50	21
13	1.1	16	568	208	1,100	328	119	290	309	72	150	19
14	1.4	88	782	201	3,150	331	105	170	158	50	300	18
15	1.8	31	1,720	191	1,500	2,530	99	110	92	58	120	13
16	1.4	24	965	171	670	22,900	935	100	62	300	40	17
17	1.4	22	242	158	300	5,690	926	90	44	150	30	15
18	1.4	28	171	152	230	1,330	1,320	94	35	86	20	15
19	1.1	428	176	153	200	497	2,160	76	32	250	18	14
20	.90	151	325	149	165	373	367	110	29	90	16	14
21	.80	62	265	1,190	140	319	223	86	29	35	14	13
22	1.9	45	181	2,760	132	265	178	80	26	24	13	12
23	47	36	125	540	129	228	760	72	25	22	12	11
24	21	33	104	277	120	344	2,300	80	23	20	11	12
25	8.9	666	89	225	115	2,670	2,370	70	20	72	11	11
26	5.8	261	80	975	113	1,060	1,300	64	18	36	11	10
27	122	93	74	803	110	309	1,660	60	19	26	10	11
28	87	1,250	73	462	105	256	466	139	34	21	9.9	13
29	29	821	69	310	------	373	310	110	30	20	17	18
30	18	151	244	236	------	402	244	92	19	19	27	19
31	16	------	1,860	212	------	1,240	------	60	------	50	17	------
TOTAL	411.80	4,519	15,380	26,784	14,906	50,593	19,392	5,812	1,765	2,485	1,124.9	657
MEAN	13.3	151	496	864	532	1,632	646	187	58.8	80.2	36.3	21.9
MAX	122	1,250	3,070	3,950	3,150	22,900	2,370	903	309	330	300	140
MIN	.80	14	58	149	105	103	99	60	18	18	9.9	10
CFSM	.08	.89	2.92	5.08	3.13	9.60	3.80	1.10	.35	.47	.21	.13
IN.	.09	.99	3.37	5.86	3.26	11.07	4.24	1.27	.39	.54	.25	.14

CAL YR 1972 TOTAL 54,444.48 MEAN 149 MAX 5,310 MIN .15 CFSM .88 IN 11.91
WTR YR 1973 TOTAL 143,829.60 MEAN 394 MAX 22,900 MIN .80 CFSM 2.32 IN 31.47

NOTE.--No gage-height record July 10 to Aug. 23.

02440500 Chuquatonchee Creek near West Point, Miss.

LOCATION.--Lat 33°36'25", long 88°42'30", on line between secs.7 and 18, T.17 S., R.6 E., Chickasaw meridian, Clay County, near left bank on downstream side of bridge on State Highway 50, 3 miles (5 km) west of West Point, and 3.5 miles (5.6 km) upstream from mouth.

DRAINAGE AREA.--514 mi² (1,331 km²).

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only October 1946 to September 1947, published in WSP 1304. Prior to October 1950, published as Sakatonchee River near West Point; October 1950 to September 1965, published as Chookatonchee Creek near West Point.

GAGE.--Water-stage recorder. Datum of gage is 170.10 ft (51.846 m) above mean sea level (levels by Corps of Engineers). Prior to Aug. 3, 1949, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--30 years, 759 ft³/s (21.49 m³/s), 20.05 in/yr (509 mm/yr).

EXTREMES.--Current year: Maximum discharge, 57,100 ft³/s (1,620 m³/s) Mar. 17 (gage height, 24.58 ft or 7.492 m); minimum daily, no flow Oct. 19-22.
Period of record: Maximum discharge, 57,100 ft³/s (1,620 m³/s) Mar. 17, 1973 (gage height, 24.58 or 7.492 m); no flow at times.

REMARKS.--Records fair except those for periods of no gage-height record, which are poor. Occasional slight regulation at low water, the result of releases from Davis Lake.

COOPERATION.--Gage-height record and 4 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1944(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	168	18	1,480	1,000	1,020	201	1,900	556	144	53	9.8	1.9
2	30	268	596	500	1,750	239	1,830	452	89	91	5.0	1.8
3	8.6	745	294	430	2,110	707	1,290	452	63	9.0	4.0	1.7
4	5.7	214	198	15,000	1,520	917	697	553	49	7.0	2.8	1.6
5	3.8	69	156	9,200	796	1,340	459	474	38	19	2.6	1.6
6	3.1	24	162	12,000	498	1,380	369	342	65	297	2.6	14
7	2.8	96	334	8,600	432	2,150	972	491	125	584	2.5	90
8	1.9	458	268	7,000	719	2,740	1,810	1,920	53	1,290	2.5	30
9	1.5	168	661	5,800	1,520	2,880	2,230	2,070	34	632	2.5	12
10	1.5	70	1,730	6,650	2,220	2,110	1,920	1,610	27	189	4.5	6.0
11	1.3	34	2,640	3,600	2,090	1,890	1,090	858	29	713	4.0	4.5
12	1.3	15	3,780	1,570	1,130	2,700	555	1,040	32	491	2.6	3.5
13	1.2	13	6,340	772	768	5,660	409	1,830	214	146	49	2.8
14	1.1	144	5,280	560	3,280	4,340	339	1,600	308	59	984	2.5
15	1.1	119	4,820	450	5,590	2,420	292	965	412	22	973	2.3
16	1.0	42	4,650	406	7,960	19,100	434	437	481	13	396	2.1
17	1.0	27	4,820	358	5,070	48,400	1,230	298	158	53	190	2.0
18	1.0	22	3,440	318	1,970	18,800	2,040	218	71	88	67	1.9
19	0	591	1,580	299	744	7,580	3,280	176	43	82	15	1.8
20	0	1,050	1,030	284	524	3,330	5,030	179	29	199	9.0	1.7
21	0	579	1,160	725	430	1,450	4,890	210	21	53	6.8	1.7
22	0	266	938	1,910	366	885	1,960	174	20	12	5.0	1.9
23	154	148	640	3,580	269	645	997	133	22	10	3.5	1.6
24	293	84	444	5,500	294	677	1,890	121	19	6.7	2.7	1.7
25	78	563	290	2,970	266	2,800	3,960	132	11	7.1	2.2	1.5
26	20	1,360	180	1,620	246	5,020	6,300	105	9.9	4.8	1.9	1.5
27	232	1,130	120	1,870	233	6,380	6,060	224	7.3	3.3	1.7	1.8
28	685	954	94	2,340	216	3,300	4,310	904	5.8	3.0	1.5	2.1
29	315	1,480	70	2,160	------	1,380	2,960	697	11	3.0	2.1	2.3
30	142	1,840	500	1,350	------	1,010	1,420	354	14	2.8	3.4	2.5
31	131	------	1,900	759	------	1,650	------	141	------	2.8	2.4	------
TOTAL	2,285.9	12,591	50,595	99,581	44,031	154,081	62,923	19,716	2,605.0	5,145.5	2,761.6	204.3
MEAN	73.7	420	1,632	3,212	1,573	4,970	2,097	636	86.8	166	89.1	6.81
MAX	685	1,840	6,340	15,000	7,960	48,400	6,300	2,070	481	1,290	984	90
MIN	0	13	70	284	216	201	292	105	5.8	2.8	1.5	1.5
CFSM	.14	.82	3.18	6.25	3.06	9.67	4.08	1.24	.17	.32	.17	.01
IN.	.17	.91	3.66	7.21	3.19	11.15	4.55	1.43	.19	.37	.20	.01

CAL YR 1972 TOTAL 227,948.2 MEAN 623 MAX 13,200 MIN 0 CFSM 1.21 IN 16.49
WTR YR 1973 TOTAL 456,520.3 MEAN 1,251 MAX 48,400 MIN 0 CFSM 2.43 IN 33.04

PEAK DISCHARGE (BASE, 12,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-06	Unknown	18.62	14,300	03-17	0600	24.58	57,100

NOTE.--No gage-height record Aug. 22 to Sept. 30.

02441000 Tibbee Creek near Tibbee, Miss.

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw meridian, Clay County, on right bank 10 ft (3 m) downstream from bridge on old State Highway 25, 560 ft (170 m) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mile (1.1 km) north of Tibbee, 4.5 miles (7.2 km) upstream from Magee Creek, 5 miles (8 km) south of West Point, and 9.8 miles (15.8 km) upstream from Catalpa Creek.

DRAINAGE AREA.--928 mi² (2,404 km²).

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to current year. Monthly discharge only for September 1930 and October 1939, published in WSP 1304. Prior to October 1950, published as Tibbee River near Tibbee.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft (46.961 m) above mean sea level (levels by Corps of Engineers). Aug. 7, 1928, to Aug. 31, 1930, nonrecording gage at site 560 ft (170 m) downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--36 years (1928-30, 1939-73), 1,264 ft³/s (35.80 m³/s), 18.50 in/yr (470 mm/yr).

EXTREMES.--Current year: Maximum discharge, 81,600 ft³/s (2,310 m³/s) Mar. 17 (gage height, 32.26 ft or 9.833 m); minimum, 4.2 ft³/s (0.12 m³/s) Sept. 28, 29.

Period of record: Maximum discharge, 81,600 ft³/s (2,310 m³/s) Mar. 17, 1973 (gage height, 32.26 ft or 9.833 m); no flow at times many years.

Flood in December 1926 reached a stage of 31.5 ft (9.60 m), from information by local residents.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1504: 1929-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354	90	2,310	2,500	1,490	273	2,900	1,600	324	13	21	36
2	183	187	1,220	2,000	3,120	280	2,700	662	200	202	43	23
3	100	1,200	473	4,000	4,030	754	1,900	596	117	76	36	20
4	63	508	319	8,000	3,490	1,230	1,300	727	97	33	26	18
5	63	188	258	9,600	1,970	2,300	980	673	69	27	19	14
6	54	88	225	10,400	827	2,750	720	470	61	190	15	14
7	39	112	328	11,000	648	3,340	1,600	504	113	643	12	46
8	30	742	342	9,000	829	5,730	2,300	2,090	75	1,350	12	184
9	24	470	472	5,000	1,990	6,050	3,300	4,050	54	1,700	10	214
10	21	245	1,880	4,600	2,530	4,580	2,800	3,740	45	490	25	166
11	19	152	3,420	2,500	2,950	3,550	2,460	1,940	43	1,170	36	91
12	17	104	4,700	1,900	2,160	5,000	946	897	36	1,430	22	52
13	16	78	5,530	1,400	1,050	8,700	591	1,730	112	433	19	36
14	15	193	6,520	1,100	3,740	6,400	474	2,000	281	192	807	25
15	14	293	7,630	920	8,570	4,600	403	1,420	325	111	1,430	20
16	13	160	8,770	800	11,300	23,500	433	598	300	73	1,290	16
17	12	120	8,690	660	9,230	74,100	1,410	353	167	59	868	15
18	12	104	6,940	540	5,910	44,400	2,350	271	94	132	201	14
19	12	577	4,940	500	2,930	20,700	4,550	222	71	114	106	11
20	11	1,470	2,610	660	922	10,600	6,850	296	50	238	66	9.4
21	11	1,140	2,060	1,400	529	6,420	7,050	486	47	174	45	7.6
22	10	533	2,160	2,500	518	4,640	5,230	392	59	84	32	6.8
23	60	309	1,300	4,500	455	3,280	2,180	252	45	51	24	6.0
24	494	206	1,000	8,000	409	2,280	2,910	194	36	36	18	5.4
25	271	559	800	5,690	368	4,190	6,360	187	25	30	14	5.1
26	127	1,690	540	3,880	339	8,790	10,600	190	17	24	13	4.5
27	161	1,890	400	3,230	319	9,730	11,100	536	13	26	11	5.5
28	933	1,360	330	3,550	300	7,310	8,230	1,760	10	33	9.8	4.8
29	638	1,780	300	3,680	------	4,480	5,950	2,150	9.2	24	12	6.5
30	312	2,160	280	2,750	------	1,880	3,880	1,400	21	19	69	700
31	154	------	5,000	1,350	------	2,300	------	379	------	15	43	------
TOTAL	4,243	18,698	81,747	117,610	72,923	284,137	104,257	32,755	2,909.2	9,202	5,354.9	1,776.6
MEAN	137	623	2,637	3,794	2,501	9,166	3,475	1,057	96.9	297	173	59.2
MAX	933	2,160	8,770	11,000	11,300	74,100	11,100	4,050	325	1,700	1,430	700
MIN	10	78	225	500	300	273	403	187	9.2	13	9.8	4.5
CFSM	.15	.67	2.84	4.09	2.80	9.88	3.74	1.14	.10	.32	.19	.06
IN.	.17	.75	3.28	4.71	2.92	11.39	4.18	1.31	.12	.37	.21	.07

CAL YR 1972 TOTAL 440,126.9 MEAN 1,203 MAX 31,600 MIN 2.7 CFSM 1.30 IN 17.64
WTR YR 1973 TOTAL 735,511.6 MEAN 2,015 MAX 74,100 MIN 4.5 CFSM 2.17 IN 29.48

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-07	Unknown	Unknown	About 11,000	03-26	2200	23.53	10,300
02-16	0800	23.88	11,500	04-26	2200	23.98	11,900
03-17	1030	32.26	81,600				

NOTE:--No gage-height record Dec. 23 to Jan. 24.

02441500 Tombigbee River at Columbus, Miss.

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville meridian, Lowndes County, on left bank at Columbus, 1,200 ft (370 m) downstream from bridge on U.S. Highways 45E and 82, 1,800 ft (550 m) upstream from Gulf, Mobile, and Ohio Railroad bridge, 2.3 miles (3.7 km) upstream from Luxapallila Creek, 6.7 miles (10.8 km) downstream from Tibbee Creek, and at mile 319.7 (514.4 km).

DRAINAGE AREA.--4,490 mi^2 (11,630 km^2), approximately.

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected in this vicinity since 1890 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft (39.292 m) above mean sea level. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mile (0.3 km) of present site, at datum 4.00 ft (1.219 m) higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941, to Sept. 30, 1968, auxiliary nonrecording gage at site 3.7 miles (6.0 km) upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 miles (3.4 km) upstream from base gage at datum 128.82 ft (39.264 m) above mean sea level.

AVERAGE DISCHARGE.--58 years, 6,312 ft^3/s (178.8 m^3/s), 19.09 in/yr (485 mm/yr).

EXTREMES.--Current year: Maximum discharge, 194,000 ft^3/s (5,490 m^3/s) Mar. 19 (gage height, 42.22 ft or 12.869 m); minimum, 506 ft^3/s (14.3 m^3/s) Aug. 28; minimum gage height, 1.49 ft (0.454 m) Oct. 15.

Period of record: 194,000 ft^3/s (5,490 m^3/s) Mar. 19, 1973 (gage height 42.22 ft or 12.869 m); minimum, 138 ft^3/s (3.91 m^3/s) Sept. 20, 1954; minimum gage height observed -0.1 ft (-0.030 m) Oct. 9-12, 1911, present datum.

Flood of Apr. 8, 1892, reached an elevation of 173.0 ft (52.73 m) above mean sea level at site 1,100 ft (335 m) upstream (corresponding stage at gage about 44 ft or 13.4 m).

REMARKS.--Records good. Records of chemical analysis for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 662: Drainage area. WSP 727: 1928-29. WSP 802: 1929(M). WSP 1504: 1900-1903, 1950.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,080	2,260	10,500	13,500	14,100	4,280	24,600	30,400	5,030	1,250	1,060	1,190
2	2,070	2,580	8,600	13,700	17,900	4,130	23,900	23,700	5,100	1,190	1,250	1,310
3	1,940	3,780	6,180	14,900	18,500	5,580	21,100	18,300	3,980	1,370	1,360	1,170
4	1,550	3,830	6,020	21,200	18,000	8,750	18,400	14,600	3,300	1,370	1,200	1,030
5	1,250	3,080	4,390	24,300	16,100	10,800	15,800	11,800	2,580	1,510	1,070	1,040
6	1,100	2,600	3,790	32,800	12,900	11,600	13,000	8,710	2,270	2,990	972	965
7	992	2,140	3,910	43,000	9,980	13,000	12,100	6,430	3,450	3,870	912	918
8	962	3,310	4,290	53,000	9,360	14,800	15,300	10,600	3,100	4,360	860	890
9	908	4,360	4,020	58,600	11,900	16,100	16,100	12,900	3,380	5,490	830	1,000
10	848	3,630	8,570	58,800	13,900	15,900	15,900	12,800	2,950	3,650	810	951
11	772	3,040	14,800	54,200	15,100	17,500	14,200	9,840	2,380	5,040	880	890
12	723	3,000	16,500	48,300	14,800	19,900	11,100	7,380	2,040	6,890	967	850
13	690	2,820	18,200	40,000	13,200	21,200	8,890	9,440	1,990	5,020	978	750
14	678	3,490	20,300	30,600	20,000	22,500	7,710	9,590	2,570	3,290	1,410	705
15	640	4,430	24,400	20,300	25,500	24,000	6,790	7,490	2,880	2,340	3,260	715
16	646	3,580	31,200	13,300	29,400	35,700	6,080	5,320	2,950	2,200	2,680	990
17	767	2,910	32,600	8,100	31,800	71,000	8,000	3,960	2,450	2,420	2,230	1,120
18	848	2,680	31,600	6,410	32,600	156,000	10,700	3,270	2,040	4,030	1,520	972
19	788	2,950	29,000	7,320	31,000	191,000	14,100	2,810	1,900	4,270	1,140	840
20	718	5,880	24,800	7,250	25,400	164,000	16,600	2,750	2,030	3,890	1,000	795
21	690	6,220	21,000	8,600	19,500	120,000	18,500	3,810	2,330	3,390	978	740
22	690	5,220	17,400	17,200	15,200	82,600	18,400	4,320	2,900	2,430	855	690
23	860	3,880	14,000	19,300	11,000	61,100	15,800	3,810	2,770	1,960	795	655
24	2,120	3,490	10,200	20,600	7,440	49,100	16,000	3,350	2,560	1,650	745	635
25	2,180	4,180	7,300	20,700	6,010	41,700	25,500	3,230	2,100	1,470	730	608
26	1,810	7,680	5,990	20,300	5,400	37,800	32,400	3,660	1,750	1,340	690	655
27	1,680	9,320	5,180	19,600	4,910	35,800	36,500	3,560	1,530	1,240	655	622
28	2,920	8,660	4,600	18,100	4,580	34,100	38,200	7,480	1,370	1,190	640	660
29	3,990	9,540	4,130	17,600	------	30,900	37,700	9,180	1,290	1,220	645	618
30	3,200	10,600	4,080	16,800	------	25,100	35,500	8,370	1,340	1,210	934	993
31	2,660	------	9,310	14,800	------	23,800	------	6,240	------	1,130	901	------
TOTAL	43,770	135,140	406,860	763,180	455,680	1,369.7M	554,870	269,100	79,410	84,660	34,957	25,917
MEAN	1,412	4,505	13,120	24,620	16,270	44,190	18,500	8,681	2,647	2,731	1,128	854
MAX	3,990	10,600	32,600	58,800	32,600	191,000	38,200	30,400	6,030	6,890	3,260	1,310
MIN	640	2,140	3,790	6,410	4,580	4,130	6,080	2,750	1,290	1,130	640	608
CFSM	.31	1.00	2.92	5.48	3.62	9.84	4.12	1.93	.59	.61	.25	.19
IN.	.36	1.12	3.37	6.32	3.78	11.35	4.60	2.23	.66	.70	.29	.21

CAL YR 1972 TOTAL 2,225,930 MEAN 6,082 MAX 62,000 MIN 304 CFSM 1.35 IN 18.44
WTR YR 1973 TOTAL 4,223,284 MEAN 11,570 MAX 191,000 MIN 608 CFSM 2.58 IN 34.99

MOBILE RIVER BASIN

02443000 Luxapallila Creek at Steens, Miss.

LOCATION.--Lat 33°33'35", long 88°18'55", in NE¼ sec.27, T.17 S., R.17 W., Huntsville meridian, Lowndes County, on left bank at downstream side of highway bridge, 0.2 mile (0.3 km) southeast of Steens, 1 mile (1.6 km) upstream from Yellow Creek, and 6.5 miles(10.5 km) northeast of Columbus.

DRAINAGE AREA.--309 mi^2 (800 km^2).

PERIOD OF RECORD.--October 1943 to September 1947, October 1949 to current year. Prior to October 1966, published as Luxapalila Creek at Steens.

GAGE.--Water-stage recorder. Datum of gage is 179.45 ft (54.696 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1947, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--28 years, 477 ft^3/s (13.51 m^3/s), 20.96 in/yr (532 mm/yr).

EXTREMES.--Current year: Maximum discharge, 13,300 ft^3/s (377 m^3/s) Mar. 18 (gage height, 18.59 ft or 5.666 m); minimum, 58 ft^3/s (1.64 m^3/s) Oct. 16 (gage height, 3.16 ft or 0.963 m).

Period of record: Maximum discharge, 14,200 ft^3/s (402 m^3/s) Feb. 23, 1961 (gage height, 18.90 ft or 5.761 m); minimum, 23 ft^3/s (0.65 m^3/s) Aug. 14, 1954 (gage height, 2.52 ft or 0.768 m).

Flood of Jan. 6, 1949, reached a stage of 19.2 ft or 5.85 m (discharge, about 16,000 ft^3/s or 453 m^3/s).

REMARKS.--Records good.

COOPERATION.--Gage-height record and 10 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1172: 1946(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	116	282	1,530	862	489	4,950	782	576	171	165	281
2	167	125	264	1,130	1,900	520	3,080	685	579	174	184	184
3	111	181	245	880	2,000	842	1,520	652	584	169	182	154
4	89	316	219	1,540	1,200	1,290	1,140	657	455	167	155	154
5	80	228	217	1,740	935	1,120	963	626	346	252	143	135
6	77	160	249	2,470	789	1,060	846	527	329	294	133	128
7	73	190	253	5,370	711	896	898	498	342	468	127	128
8	70	231	270	4,370	732	857	1,310	517	790	985	124	125
9	71	344	288	4,710	919	800	1,300	1,150	1,440	782	133	123
10	67	253	451	2,550	997	917	978	995	745	631	135	119
11	64	190	845	1,450	779	1,100	842	675	537	668	127	116
12	63	160	1,270	1,060	665	2,200	748	579	548	1,440	124	114
13	60	151	831	886	659	1,640	686	956	1,310	696	127	109
14	59	186	680	759	1,630	1,100	642	875	629	455	222	113
15	58	231	1,140	680	4,510	991	602	636	725	725	166	135
16	66	208	2,450	628	2,920	4,280	579	518	522	574	317	149
17	91	172	1,870	581	1,550	9,570	600	450	433	777	192	133
18	79	170	1,020	582	1,100	11,400	688	412	371	673	161	122
19	68	213	740	779	935	8,760	1,080	376	348	515	171	114
20	66	308	646	1,220	805	2,490	1,110	491	330	402	153	109
21	66	407	709	1,230	745	1,350	704	631	330	464	136	100
22	68	308	873	2,360	644	1,080	618	623	547	402	124	95
23	102	235	828	3,100	662	917	587	455	790	290	119	92
24	118	201	646	1,540	639	845	799	455	469	239	115	90
25	141	268	535	1,040	602	1,620	3,850	600	344	204	113	87
26	107	385	470	945	568	3,480	4,920	618	280	185	110	84
27	148	535	424	1,070	535	1,940	2,650	610	238	173	109	82
28	167	407	378	1,110	510	1,320	1,650	730	214	173	106	84
29	235	316	351	940	------	1,050	1,180	1,230	204	166	104	126
30	177	322	351	836	------	923	919	748	185	156	154	174
31	132	------	578	711	------	1,730	------	455	------	147	247	------
TOTAL	3,100	7,517	20,373	49,797	31,503	68,577	42,439	20,212	15,540	13,617	4,678	3,759
MEAN	100	251	657	1,606	1,125	2,212	1,415	652	518	439	151	125
MAX	235	535	2,450	5,370	4,510	11,400	4,950	1,230	1,440	1,440	317	281
MIN	58	116	217	581	510	489	579	376	185	147	104	82
CFSM	.32	.81	2.13	5.20	3.64	7.16	4.58	2.11	1.68	1.42	.49	.40
IN.	.37	.90	2.45	5.99	3.79	8.26	5.11	2.43	1.87	1.64	.56	.45

CAL YR 1972 TOTAL 129,342 MEAN 353 MAX 5,590 MIN 45 CFSM 1.14 IN 15.57
WTR YR 1973 TOTAL 281,112 MEAN 770 MAX 11,400 MIN 58 CFSM 2.49 IN 33.84

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
1-07	1300	16.20	5,690	4- 1	1600	16.12	5,560
2-15	1500	15.75	5,020	4-26	0800	16.06	5,470
3-18	2000	18.59	13,300				

02444500 Tombigbee River near Cochrane, Ala.

LOCATION.--Lat 33°04'45", long 88°14'18", in sec.7, T.24 N., R.2 W., Pickens County, near left bank on downstream side of bridge on State Highway 17, 200 ft (61 m) upstream from Alabama, Tennessee and Northern Railroad bridge, 1.2 miles (1.9 km) northeast of Cochrane, 2.2 miles (3.5 km) downstream from Boguechitto Creek, 7 miles (11 km) southwest of Aliceville, and at mile 271.4 (436.7 km).

DRAINAGE AREA.--5,990 mi^2 (15,500 km^2), approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for period October to December 1938, published in WSP 1304. Gage-height records collected at same site November 1909 to September 1924 are contained in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 89.85 ft (27.386 m) above mean sea level. Prior to July 10, 1939, nonrecording gage at site 200 ft (61 m) downstream at same datum. Since Jan. 30, 1940, auxiliary water-stage recorder or nonrecording gage 14 miles (23 km) downstream from base gage at datum 7.76 ft (2.365 m) lower.

AVERAGE DISCHARGE.--35 years, 8,335 ft^3/s (236.0 m^3/s), 18.90 in/yr (480 mm/yr).

EXTREMES.--Current year. Maximum discharge, 166,000 ft^3/s (4,700 m^3/s) Mar. 21; maximum gage height, 47.37 ft or 14.438 m Mar. 21; minimum daily discharge, 720 ft^3/s (20.4 m^3/s) Sept. 25.

Period of record: Maximum discharge, 166,000 ft^3/s (4,700 m^3/s) Mar. 21, 1973; maximum gage height, 47.37 ft or 14.438 m Mar. 21, 1973; minimum discharge, 165 ft^3/s (4.67 m^3/s) Sept. 21, 1954 (gage height, 2.34 ft or 0.713 m).

Flood in April 1892 reached a stage of 50.2 ft (15.3 m) present datum (discharge not determined), from reports of U.S. Weather Bureau.

REMARKS.--Records good.

COOPERATION.--Gage-height record and seven discharge measurements furnished by the Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,320	2,750	11,800	15,500	18,200	6,050	36,900	38,600	9,770	2,240	1,700	1,200
2	2,210	2,440	11,200	16,400	20,900	5,840	35,600	36,100	9,450	2,070	1,410	1,550
3	2,250	2,770	8,560	16,600	22,500	6,920	33,300	32,200	7,000	2,020	1,620	1,640
4	2,080	4,250	6,570	21,200	23,000	9,700	30,500	27,300	6,760	2,270	1,710	1,390
5	1,650	3,830	5,940	25,700	22,500	12,700	27,500	20,900	5,760	2,460	1,490	1,250
6	1,320	3,360	5,240	29,300	19,800	14,400	22,600	14,300	4,760	3,700	1,300	1,300
7	1,160	2,720	4,670	33,900	14,800	15,600	21,000	10,900	5,250	7,010	1,170	1,150
8	1,070	2,710	5,110	40,800	13,000	17,400	24,400	12,900	9,920	7,620	1,100	1,090
9	1,020	3,960	4,960	47,300	12,700	18,400	24,400	15,400	6,970	8,910	1,090	1,050
10	980	4,610	6,150	52,600	15,000	19,100	22,900	16,300	6,720	8,490	1,110	1,120
11	920	3,750	14,200	53,900	16,700	20,900	20,100	14,800	5,450	8,670	1,070	1,090
12	866	3,250	18,100	54,600	17,500	23,900	17,100	11,400	4,560	11,700	1,070	1,010
13	824	3,120	19,500	53,600	16,500	24,900	14,400	11,200	4,200	10,500	1,190	978
14	800	3,160	22,100	49,300	21,500	25,700	11,900	12,700	4,760	7,340	1,240	920
15	776	3,720	25,300	42,800	27,900	26,600	10,000	11,400	5,850	4,750	2,010	850
16	746	4,570	30,600	35,700	30,500	29,900	9,000	8,970	5,710	3,800	3,820	959
17	746	3,740	33,600	26,400	33,000	38,800	10,600	6,930	5,380	3,630	3,640	1,100
18	862	3,230	35,100	16,700	34,300	49,200	12,600	5,990	5,030	4,490	3,170	1,230
19	932	3,040	35,300	11,400	34,700	68,800	16,500	5,140	6,010	5,760	2,090	1,090
20	884	4,190	34,600	11,500	34,200	139,000	17,800	4,890	9,730	5,490	1,560	976
21	812	7,700	32,900	11,200	31,500	164,000	20,200	5,550	6,760	5,090	1,320	910
22	812	7,210	30,100	20,700	26,500	145,000	21,700	6,840	6,620	4,170	1,170	850
23	862	5,570	25,000	23,700	20,200	113,000	21,600	6,700	6,550	3,160	1,060	800
24	956	4,440	18,000	25,100	12,500	86,500	19,300	6,040	5,940	2,590	1,010	740
25	2,170	4,360	11,400	25,700	8,390	70,800	25,300	5,450	4,660	2,160	980	720
26	2,230	6,500	7,930	25,600	7,150	55,600	31,700	5,660	3,750	1,760	960	750
27	2,000	9,800	6,710	25,500	7,060	46,900	34,900	6,250	3,040	1,710	920	820
28	1,890	10,600	6,500	24,500	6,470	41,600	37,700	8,260	2,640	1,560	880	790
29	3,370	10,200	5,770	22,300	------	38,700	39,200	10,800	2,370	1,530	840	740
30	4,010	11,200	5,230	20,900	------	36,300	39,100	12,000	2,230	1,510	860	1,390
31	3,300	------	9,750	19,600	------	39,400	------	10,400	------	1,490	890	------
TOTAL	45,828	146,750	497,890	900,000	569,470	1,411.6M	709,800	402,280	170,500	139,630	45,450	31,473
MEAN	1,478	4,892	16,060	29,030	20,340	45,540	23,660	12,980	5,683	4,504	1,466	1,049
MAX	4,010	11,200	35,300	54,600	34,700	164,000	39,200	38,600	9,730	11,700	3,820	1,640
MIN	746	2,440	4,670	11,200	6,470	5,840	9,000	4,880	2,230	1,480	840	720
CFSM	.25	.82	2.68	4.85	3.40	7.60	3.95	2.17	.95	.75	.24	.18
IN.	.28	.91	3.09	5.59	3.54	8.77	4.41	2.50	1.06	.87	.28	.20

CAL YR 1972 TOTAL 2,656,814 MEAN 7,259 MAX 57,300 MIN 610 CFSM 1.21 IN 16.50
WTR YR 1973 TOTAL 5,070,681 MEAN 13,890 MAX 164,000 MIN 720 CFSM 2.32 IN 31.49

02448000 Noxubee River at Macon, Miss.

LOCATION.--Lat 33°06'05", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., Choctaw meridian, Noxubee County, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mile (0.3 km) upstream from Cedar Creek, 1.0 mile (1.6 km) downstream from Gulf, Mobile and Ohio Railroad bridge, 1.5 miles (2.4 km) downstream from Horse Hunters Creek, and 6.2 miles (10.0 km) upstream from Running Water Creek.

DRAINAGE AREA.--812 mi² (2,103 km²).

PERIOD OF RECORD.--August 1928 to September 1932, September 1938 to current year. Monthly discharge only June to September 1932, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft (43.397 m) above mean sea level (levels by Corps of Engineers). Prior to May 31, 1932, nonrecording gage at site 40 ft (12 m) downstream at different datum. Sept. 21, 1938, to Aug. 10, 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--39 years, 957 ft³/s (27.10 m³/s), 16.00 in/yr (406 mm/yr).

EXTREMES.--Current year: Maximum discharge, 31,700 ft³/s (898 m³/s) Mar. 18 (gage height, 31.07 ft or 9.470 m); minimum, 51 ft³/s (1.44 m³/s) Oct. 22 (gage height, 6.04 ft or 1.841 m).

Period of record: Maximum discharge, 52,000 ft³/s (1,470 m³/s) Mar. 30, 1951 (gage height, 32.97 ft or 10.049 m); minimum, 22 ft³/s (0.623 m³/s) Aug. 25, 26, 1943 (gage height, 4.89 ft or 1.490 m).

Flood in July 1892 reached a stage of about 34 feet (10.4 m), present site and datum, from information by local residents, and has not been exceeded since. Flood in December 1926 reached a stage of about 30 feet (9.1 m).

REMARKS.--Records good. Occasional slight regulation by Bluff Lake at low water. Records for chemical analysis for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1624: 1929-30, 1932.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	116	338	4,700	2,150	465	7,140	4,490	429	129	312	162
2	102	146	303	4,400	4,360	576	6,680	3,750	666	127	183	111
3	99	279	258	3,400	4,400	607	5,330	2,660	545	124	161	103
4	116	294	314	4,270	3,600	576	3,240	1,190	308	121	140	107
5	106	199	771	4,480	2,660	702	1,140	708	256	118	127	105
6	84	190	555	4,930	2,480	900	705	563	244	121	120	108
7	74	154	391	5,240	2,300	2,120	1,900	687	258	201	110	116
8	68	223	360	9,760	1,540	2,180	3,440	2,030	242	264	106	118
9	68	286	308	14,900	1,160	1,630	3,060	2,240	212	301	100	116
10	70	219	646	12,600	954	1,620	2,170	1,480	187	312	118	115
11	65	214	2,010	10,100	834	3,000	1,990	1,340	169	612	113	107
12	62	161	1,820	8,710	711	4,180	2,040	1,090	176	621	110	99
13	58	134	1,530	7,060	598	3,960	1,810	909	212	426	116	96
14	56	154	1,810	5,790	3,510	3,210	1,050	643	248	286	181	95
15	55	156	4,160	4,700	4,870	2,800	640	524	385	262	132	106
16	54	132	5,080	2,000	4,870	4,550	1,280	448	424	224	138	92
17	54	117	4,900	762	4,290	16,800	3,810	385	391	252	187	87
18	54	142	4,490	615	3,850	29,800	3,690	341	825	396	252	83
19	57	310	3,830	1,680	4,090	21,900	3,050	305	1,160	319	197	84
20	55	360	3,740	2,540	4,060	17,600	2,060	292	374	223	140	83
21	54	310	4,560	3,500	3,220	8,630	1,670	310	1,010	232	114	80
22	54	308	4,750	5,680	1,330	6,470	1,650	294	1,930	217	110	77
23	64	246	4,310	5,300	756	5,380	1,670	266	957	196	107	75
24	113	181	3,040	4,520	657	3,660	1,690	254	414	170	100	74
25	107	378	1,850	3,490	590	4,630	4,180	264	272	148	94	73
26	99	582	1,150	3,350	542	5,120	5,190	254	214	137	90	71
27	140	529	786	3,650	503	4,970	5,500	402	179	135	86	69
28	169	438	604	3,640	477	4,040	5,500	450	158	132	85	69
29	150	431	498	3,120	------	3,540	5,210	398	145	129	156	73
30	127	378	467	2,210	------	3,750	4,910	402	142	127	141	73
31	140	------	3,820	1,480	------	5,570	------	402	------	275	133	------
TOTAL	2,667	7,767	63,449	152,577	65,342	169,936	93,395	29,771	13,132	7,337	4,259	2,827
MEAN	86.0	259	2,047	4,922	2,334	5,482	3,113	960	438	237	137	94.2
MAX	169	582	5,080	14,900	4,870	29,800	7,140	4,490	1,930	621	312	162
MIN	54	116	258	615	477	465	640	254	142	118	85	69
CFSM	.11	.32	2.52	6.06	2.87	6.75	3.83	1.18	.54	.29	.17	.12
IN.	.12	.36	2.91	6.99	2.99	7.79	4.28	1.36	.60	.34	.20	.13

CAL YR 1972 TOTAL 355,901 MEAN 972 MAX 15,200 MIN 47 CFSM 1.20 IN 16.30
WTR YR 1973 TOTAL 612,459 MEAN 1,678 MAX 29,800 MIN 54 CFSM 2.07 IN 28.06

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-15	2400	23.21	5,270	03-25	1800	22.91	5,170
01-09	1400	28.61	15,600	04-01	2300	26.23	7,690
01-22	0800	24.67	5,800	04-27	2300	24.09	5,570
03-18	1400	31.07	31,700				

02448500 Noxubee River near Geiger, Ala.

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec.33, T.23 N., R.3 W., Sumter County, near left bank on downstream side of bridge on State Highway 17, 0.5 mile (0.8 km) upstream from Woodards Creek, 1 mile (1.6 km) upstream from Alabama, Tennessee and Northern Railroad bridge, 4 miles (6.4 km) north of Geiger, and at mile 16.9 (27.2 km).

DRAINAGE AREA.--1,140 mi² (2,950 km²), approximately.

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, October 1965 to September 1966 (gage heights only), October 1966 to current year. (Monthly discharge only for period October to December 1966).

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft (26.237 m) above mean sea level. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mile (1.6 km) downstream at datum 84.64 ft (25.798 m) above mean sea level. July 26, 1944, to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

AVERAGE DISCHARGE.--29 years (1939-40, 1944-65, 1966-73), 1,433 ft³/s (40.58 m³/s), 17.06 in/yr (433 mm/yr).

EXTREMES.--Current year: Maximum discharge, 20,500 ft³/s (581 m³/s) Mar. 21; maximum gage height, 38.61 ft or 11.768 m Mar. 21; minimum discharge, 71 ft³/s (2.01 m³/s) Oct. 20 (gage height, 3.26 ft or 0.994 m).
Period of record: Maximum discharge, 37,600 ft³/s (1,060 m³/s) Mar. 31, 1951 (gage height, 42.7 ft or 13.0 m); minimum discharge, 13 ft³/s (0.37 m³/s) July 7, 1954.

REMARKS.--Records fair except those for period of no gage height record, which are poor. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mile north of gage.

REVISIONS.--WSP 1384: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	174	503	4,500	3,000	475	11,300	5,030	732	197	260	179
2	114	181	436	5,000	6,000	503	10,600	4,420	3,330	190	600	174
3	118	195	379	5,000	6,500	984	9,500	3,940	2,860	187	400	153
4	122	304	342	4,500	6,500	765	8,500	3,120	1,050	185	250	128
5	159	369	327	4,300	6,000	643	6,790	1,540	546	182	200	131
6	158	299	778	5,190	4,500	695	3,360	780	449	178	170	197
7	126	255	782	6,150	4,000	2,020	2,970	673	820	175	145	166
8	102	324	552	8,030	3,500	2,540	5,800	2,920	2,230	173	139	163
9	92	286	456	8,970	2,500	2,270	5,310	4,570	773	170	130	139
10	85	337	451	8,530	2,000	1,670	3,640	3,150	384	600	134	137
11	82	316	2,330	8,660	1,500	3,700	2,320	1,680	468	1,500	143	133
12	84	268	2,850	9,220	1,300	5,690	1,930	1,500	349	1,500	125	129
13	82	266	2,220	9,490	1,000	5,240	1,990	1,530	347	1,000	288	124
14	79	652	1,960	9,290	4,300	4,260	1,860	1,160	653	700	1,120	121
15	76	418	4,000	8,600	6,270	3,310	1,270	785	663	600	712	116
16	73	272	5,000	7,530	6,160	3,790	1,390	631	1,630	520	275	118
17	74	221	5,500	5,400	5,550	7,230	4,590	563	915	600	322	121
18	74	218	5,000	1,780	4,610	7,950	5,930	504	1,410	900	795	108
19	72	757	4,500	1,600	3,780	8,660	6,480	455	3,370	800	551	100
20	72	694	4,000	2,210	3,600	13,800	5,650	438	5,070	600	315	96
21	74	535	4,500	4,500	3,570	20,100	3,120	426	5,000	600	219	97
22	76	422	5,300	7,000	2,930	14,900	1,780	422	4,050	500	167	97
23	81	382	5,000	7,500	1,380	10,900	1,610	397	2,780	450	143	94
24	89	345	4,500	7,500	585	9,120	1,670	384	1,370	300	135	92
25	109	801	4,000	7,000	585	9,820	4,430	405	632	250	130	99
26	147	1,550	2,220	5,000	570	9,910	6,810	401	413	400	123	87
27	211	934	1,360	5,000	529	8,440	7,670	627	319	550	116	96
28	402	649	890	5,500	491	6,860	7,510	4,780	267	400	110	96
29	273	528	683	5,000	------	5,470	6,650	3,450	230	300	106	96
30	231	512	599	4,000	------	4,430	5,810	804	205	220	124	95
31	195	------	2,630	2,500	------	7,900	------	500	------	210	354	------
TOTAL	3,872	13,464	74,048	184,450	93,510	184,045	148,140	51,985	43,315	15,147	8,801	3,612
MEAN	125	449	2,389	5,950	3,340	5,937	4,938	1,677	1,444	489	284	120
MAX	402	1,550	5,500	9,490	6,500	20,100	11,300	5,030	5,070	1,500	1,120	197
MIN	72	174	327	1,600	491	475	1,270	384	205	170	106	96
CFSM	.11	.39	2.10	5.22	2.93	5.21	4.33	1.47	1.27	.43	.25	.11
IN.	.13	.44	2.42	6.02	3.05	6.01	4.83	1.70	1.41	.49	.29	.12

CAL YR 1972 TOTAL 472,683 MEAN 1,291 MAX 39,000 MIN 63 CFSM 1.13 IN 15.42
WTR YR 1973 TOTAL 824,389 MEAN 2,259 MAX 20,100 MIN 72 CFSM 1.98 IN 26.90

NOTE.--No gage-height record July 5 to August 8.

02472000 Leaf River near Collins, Miss.

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens meridian, Covington County, on right bank at downstream side of bridge on U.S. Highway 84, 2 miles (3 km) downstream from Oakohay Creek, 8 miles (13 km) upstream from Big Creek, 9.5 miles (15.3 km) northeast of Collins, and at mile 114.5 (184.2 km).

DRAINAGE AREA.--752 mi² (1,948 km²).

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 197.48 ft (60.192 m) above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 1,026 ft³/s (29.06 m³/s), 18.53 in/yr (471 mm/yr).

EXTREMES.--Current year: Maximum discharge, 20,500 ft³/s (581 m³/s) Apr. 2 (gage height, 25.02 ft or 7.626 m); minimum daily, 78 ft³/s (2.21 m³/s) Oct. 12-18.

Period of record: Maximum discharge, 48,500 ft³/s (1,374 m³/s) Feb. 23, 1961 (gage height, 31.65 ft or 9.647 in gage well, 31.85 ft or 9.708 m from outside gage); minimum, 55 ft³/s (1.56 m³/s) Aug. 28-30, 1957.

Flood in April 1856 reached a stage of about 33 ft (10.1 m), and the flood in April 1900 reached a stage of 32 ft (9.8 m), from information by local residents.

REMARKS.--Records fair except those below 11,500 ft³/s (325.7 m³/s) which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1906: 1950(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	122	205	4,280	688	798	16,900	2,570	514	284	255	365
2	96	117	185	4,740	2,250	836	20,000	1,790	1,210	270	260	255
3	90	121	172	4,540	4,060	1,620	15,200	2,110	1,190	275	271	257
4	88	119	168	3,650	5,490	2,140	6,560	2,450	970	301	249	356
5	86	114	172	3,150	2,590	2,710	3,470	2,100	918	295	236	544
6	84	109	636	2,840	1,100	2,790	2,370	1,610	702	1,640	220	421
7	83	110	963	2,370	784	4,160	4,360	1,950	788	2,040	216	606
8	82	119	1,090	2,920	932	4,900	5,080	6,600	1,550	1,630	219	497
9	82	122	885	4,020	2,300	4,210	6,720	7,550	3,130	830	216	386
10	81	125	518	4,130	3,260	2,990	6,080	10,100	2,320	493	215	316
11	80	129	361	3,410	2,900	2,740	4,100	7,550	1,560	386	215	296
12	78	130	280	1,930	1,570	4,220	2,700	3,140	941	367	262	247
13	78	138	266	1,170	1,200	5,090	1,960	2,090	1,050	319	228	519
14	78	315	332	994	2,350	5,590	1,490	1,370	980	309	249	568
15	78	251	1,090	774	5,600	4,790	1,300	1,050	709	420	265	509
16	78	197	1,880	677	9,460	3,990	1,290	876	854	772	310	399
17	78	173	2,150	600	7,720	5,650	1,920	900	788	499	1,680	317
18	78	170	1,930	524	4,570	5,880	6,060	720	516	324	3,230	273
19	82	203	1,080	513	3,320	5,290	11,900	650	685	472	3,560	267
20	96	209	708	681	2,620	3,520	13,300	620	445	521	3,100	231
21	100	172	5,650	627	1,780	2,500	10,300	590	653	503	1,910	219
22	101	151	5,630	2,090	1,680	1,910	4,590	530	615	449	636	210
23	433	144	6,350	2,490	1,280	1,540	2,960	509	1,460	409	366	203
24	369	136	4,110	1,970	1,150	1,470	2,050	532	1,090	338	200	197
25	183	261	3,170	1,050	1,050	11,100	9,700	2,260	563	294	264	193
26	165	494	2,190	740	1,000	14,800	12,700	2,290	614	292	241	189
27	156	526	1,810	705	936	15,300	13,500	1,650	477	732	225	290
28	214	469	1,590	692	. 986	10,400	12,400	1,690	302	392	217	226
29	189	313	1,460	698	------	5,580	7,600	1,530	325	293	250	238
30	156	238	1,320	642	------	4,710	3,820	1,290	302	273	223	433
31	137	------	2,350	565	------	7,760	------	822	------	256	403	------
TOTAL	3,844	5,975	52,669	59,792	74,526	150,632	212,960	71,378	27,799	16,646	20,466	10,205
MEAN	124	199	1,699	1,929	2,662	4,859	7,099	2,303	927	537	660	340
MAX	433	526	6,350	4,740	9,460	15,300	20,000	10,100	3,130	2,040	3,560	568
MIN	78	109	168	681	688	798	1,290	500	302	256	216	189
CFSM	.16	.26	2.26	2.57	3.54	6.46	9.44	3.06	1.23	.71	.88	.45
IN.	.19	.30	2.60	2.96	3.69	7.45	10.53	3.53	1.38	.82	1.01	.50

CAL YR 1972 TOTAL 323,100 MEAN 883 MAX 19,100 MIN 78 CFSM 1.17 IN 15.98
WTR YR 1973 TOTAL 706,961 MEAN 1,937 MAX 20,000 MIN 78 CFSM 2.58 IN 34.97

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-16	Unknown	†18.07	10,100	04-20	0400	20.96	13,700
03-27	1700	22.16	15,700	04-27	0600	20.96	13,700
04-02	1100	25.02	20,500	05-10	2000	18.61	10,700

†From graph based on gage readings.

02472500 Bowie Creek near Hattiesburg, Miss.

LOCATION.--Lat 31°25'32", long 89°24'53", in NW¼SW¼ sec.4, T.5 N., R.14 W., St. Stephens meridian, Forrest County, on left bank 25 ft (8 m) downstream from upstream bridge of dual bridges on U.S. Highway 49, 1 mile (2 km) upstream from Okatoma Creek, 2 miles (3 km) southwest of Lux, and 10 miles (16 km) northwest of Hattiesburg.

DRAINAGE AREA.--304 mi² (787 km²).

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft (48.780 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 429 ft³/s (12.15 m³/s), 19.16 in/yr (487 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,300 ft³/s (235 m³/s) Mar. 26 (gage height, 19.92 ft or 6.072 m); minimum, 116 ft³/s (3.29 m³/s) Oct. 12-15 (gage height, 2.43 ft or 0.741 m).
Period of record: Maximum discharge, 34,800 ft³/s (986 m³/s) Feb. 22, 1961 (gage height, 26.54 ft or 8.089 m in gage well, 26.92 ft or 8.205 m from outside gage); minimum, 83 ft³/s (2.35 m³/s) Aug. 29, 1957; minimum gage height, 2.37 ft (0.722 m) Sept. 16, 17, 1972.

REMARKS.--Records good except those for periods of no gage height record which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1906: 1943(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	147	183	1,500	270	230	1,560	420	410	198	173	192
2	147	145	176	1,100	373	220	3,730	350	365	193	170	197
3	132	143	170	1,300	458	250	2,420	410	336	192	170	217
4	126	147	167	1,000	375	300	1,600	500	298	192	164	214
5	123	143	194	900	321	420	1,100	430	322	215	157	214
6	122	140	1,780	800	279	703	700	390	474	241	155	253
7	122	140	1,440	900	261	3,600	2,000	350	359	257	164	270
8	121	141	1,010	1,200	363	4,510	1,700	800	513	332	180	236
9	120	147	470	1,300	1,290	2,790	1,400	3,500	390	300	173	203
10	119	147	304	1,000	1,170	1,710	1,100	2,500	365	219	167	198
11	119	143	253	750	750	1,180	600	1,000	321	194	161	199
12	117	142	229	560	540	1,560	450	540	326	196	179	319
13	116	277	220	410	450	1,280	370	450	294	190	173	294
14	117	345	217	350	900	910	330	370	297	179	171	306
15	117	219	268	320	1,500	682	310	332	339	174	171	334
16	117	192	317	300	2,000	928	300	307	288	170	168	275
17	117	168	321	280	1,700	2,160	820	293	249	157	203	205
18	117	160	255	270	920	1,800	1,500	292	232	156	199	192
19	120	191	219	260	500	961	3,000	275	222	164	205	173
20	120	215	767	250	450	703	5,400	268	225	163	200	157
21	122	205	5,750	350	350	672	6,000	256	291	154	171	153
22	124	192	6,420	600	320	491	3,500	264	293	154	159	159
23	185	167	3,560	450	290	380	2,300	255	264	157	155	157
24	280	160	2,000	388	270	775	1,200	2,090	264	156	151	156
25	293	252	1,000	340	270	5,950	500	2,400	227	171	148	155
26	248	336	580	313	275	7,940	1,600	1,160	214	168	148	154
27	191	324	450	326	260	6,470	5,000	1,230	205	219	151	171
28	202	237	380	322	250	2,760	3,000	1,040	199	220	150	177
29	203	195	350	319	------	1,100	1,400	571	194	192	152	192
30	171	185	310	291	------	859	600	425	191	192	151	207
31	155	------	300	270	------	1,480	------	371	------	192	159	------
TOTAL	4,630	5,735	30,060	18,719	17,155	55,774	55,490	24,049	8,967	6,057	5,198	6,329
MEAN	149	191	970	604	613	1,799	1,850	776	298	195	168	211
MAX	293	345	6,420	1,500	2,000	7,940	6,000	3,500	513	332	205	334
MIN	116	140	167	250	250	220	300	255	191	163	148	154
CFSM	.49	.63	3.19	1.99	2.02	5.92	6.09	2.55	.98	.64	.55	.69
IN.	.57	.70	3.68	2.29	2.10	6.82	6.79	2.94	1.09	.74	.64	.77

CAL YR 1972 TOTAL 147,851 MEAN 404 MAX 6,420 MIN 116 CFSM 1.33 IN 18.09
WTR YR 1973 TOTAL 238,143 MEAN 652 MAX 7,940 MIN 116 CFSM 2.14 IN 29.14

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-22	0030	17.83	6,980	[a]04-20 or 21	Unknown	Unknown	About 6,000
03-07	2100	14.79	4,990	[b]04-27 or 28	Unknown	Unknown	About 5,000
03-26	1200	19.92	8,300				
04-02	1800	14.42	4,330				

a Probably occurred Apr. 21.
b Probably occurred Apr. 27.

NOTE.--No gage-height record Dec. 23 to Jan. 23; Apr. 4 to May 14.

02473000 Leaf River at Hattiesburg, Miss.

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N , R.13 W., St. Stephens meridian, Forrest County, on left bank at downstream side of bridge on U.S. High y 11, at eastern city limits of Hattiesburg, 300 ft (90 m) downstream from Bowie Creek, 3,000 ft (900 m) up ream from New Orleans and Northeastern Railroad bridge, and at mile 71.8 (115.5 km).

DRAINAGE AREA.--1,760 mi² (4,560 km²), approximately.

PERIOD OF RECORD.--September 1938 to current year. Gage-height records collected in the same vicinity since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 118.23 ft (36.037 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 2,536 ft³/s (71.82 m³/s), 19.57 in/yr (497 mm/yr).

EXTREMES.--Current year: Maximum discharge, 29,400 ft³/s (833 m³/s) Mar. 27 (gage height, 23.72 ft or 7.230 m); minimum,498 ft³/s (14.1 m³/s) Oct. 17, 18 (gage height, 3.45 ft or 1.052 m).

Period of record: Maximum discharge, 72,200 ft³/s (2,045 m³/s) Feb. 23, 1961 (gage height, 31.53 ft or 9.610 m); minimum, 318 ft³/s (9.01 m³/s) Oct. 22, 1963; minimum gage height, 3.38 ft (1.030 m) Sept. 17, 18, 1972.

Flood in April 1900 reached a stage of about 33.6 ft (10.24 m) from reports of U.S. Weather Bureau.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	591	647	869	8,640	1,710	1,670	12,600	6,850	3,040	1,210	962	1,030
2	567	635	796	8,560	2,440	1,610	18,100	4,130	2,490	1,170	1,130	1,090
3	555	634	748	8,800	4,390	2,730	23,400	3,350	2,720	1,130	941	952
4	540	613	721	8,870	5,930	4,630	21,400	3,800	2,380	1,210	881	1,090
5	534	603	811	7,180	6,790	6,040	15,600	3,780	2,120	1,290	855	1,330
6	531	592	5,380	5,800	4,220	5,690	6,210	3,310	2,750	1,450	801	1,850
7	525	584	7,610	5,530	3,000	11,200	7,350	3,060	2,850	3,070	784	2,230
8	522	582	4,300	6,820	2,500	17,600	11,500	8,140	2,700	3,270	819	1,920
9	513	580	3,100	8,360	5,140	15,200	10,600	13,800	3,880	2,650	813	1,570
10	513	598	2,600	7,440	7,230	10,200	9,560	12,700	4,330	1,770	795	1,350
11	510	597	2,100	6,610	6,110	7,110	8,530	12,400	3,650	1,330	790	1,220
12	508	588	1,700	5,240	4,930	9,310	5,360	10,700	2,990	1,150	863	1,370
13	505	756	1,600	3,510	3,500	10,100	4,030	5,250	2,430	1,070	1,050	1,910
14	503	1,810	1,500	2,720	5,070	9,650	3,250	3,530	2,730	1,120	1,000	2,400
15	503	1,210	1,400	2,380	10,300	8,760	2,910	2,690	2,500	1,070	1,060	2,310
16	503	1,000	1,800	2,170	12,900	5,860	2,820	2,330	2,160	1,120	1,210	1,930
17	500	811	2,500	2,000	13,900	10,300	4,760	2,100	2,020	1,390	1,610	1,490
18	498	721	3,700	1,890	11,500	12,400	11,300	1,970	1,900	1,140	2,840	1,190
19	498	852	3,800	1,840	5,780	10,500	18,900	1,890	1,650	993	3,890	1,040
20	510	952	6,000	1,810	3,960	8,090	19,300	1,850	1,470	1,090	4,020	970
21	520	957	15,800	2,290	2,930	5,840	19,400	1,850	1,720	1,140	3,580	920
22	520	821	20,800	4,980	2,490	4,330	16,700	1,790	1,970	1,140	2,410	900
23	920	725	18,600	4,860	2,260	3,390	9,750	1,700	1,890	1,100	1,370	880
24	1,410	682	13,400	4,360	2,100	3,450	4,830	4,700	2,410	1,050	1,110	850
25	1,400	1,020	10,200	3,420	1,990	18,500	7,400	9,440	2,120	990	1,000	860
26	951	1,770	5,610	2,440	1,970	24,800	17,600	6,480	1,590	1,000	900	840
27	908	1,790	3,380	2,190	1,910	28,700	22,500	6,240	1,530	1,140	955	900
28	907	1,470	2,570	2,140	1,790	27,700	23,400	5,720	1,500	1,590	881	1,000
29	952	1,140	2,250	2,080	------	20,400	19,600	4,190	1,470	1,190	831	1,050
30	823	967	2,070	1,960	------	12,500	14,300	3,340	1,300	997	813	1,120
31	701	------	5,720	1,800	------	10,200	------	2,700	------	976	801	------
TOTAL	20,441	26,707	153,435	138,690	138,540	328,460	372,960	155,800	70,260	42,016	41,745	39,552
MEAN	659	890	4,950	4,474	4,948	10,600	12,430	5,026	2,342	1,355	1,347	1,319
MAX	1,410	1,810	20,800	8,870	13,900	28,700	23,400	13,800	4,330	3,270	4,020	2,400
MIN	498	580	721	1,800	1,710	1,610	2,820	1,700	1,300	976	784	840
CFSM	.37	.51	2.81	2.54	2.81	6.02	7.06	2.86	1.33	.77	.77	.75
IN.	.43	.56	3.24	2.93	2.93	6.94	7.88	3.29	1.49	.89	.88	.84

CAL YR 1972 TOTAL 880,674 MEAN 2,406 MAX 20,800 MIN 493 CFSM 1.37 IN 18.61
WTR YR 1973 TOTAL 1,528,616 MEAN 4,188 MAX 28,700 MIN 498 CFSM 2.38 IN 32.31

02473500 Tallahala Creek at Laurel, Miss.

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼NE¼ sec.8, T.8 N., R.11 W., St. Stephens meridian, Jones County, on right bank at downstream side of bridge on State Highway 15, 0.5 mile (0.8 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mile (0.8 km) southeast of city limits of Laurel, and 6 miles (10 km) upstream from Tallahoma Creek.

DRAINAGE AREA.--233 mi² (603 km²).

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft (61.378 m) above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 326 ft³/s (9.232 m³/s), 19.00 in/yr (483 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,720 ft³/s (247 m³/s) Apr. 27 (gage height, 18.95 ft or 5.776 m); minimum, 3.7 ft³/s (0.10 m³/s) Oct. 18, 19 (gage height, 1.66 ft or 0.506 m).

Period of record: Maximum discharge, 21,100 ft³/s (593 m³/s) Apr. 7, 1964 (gage height, 23.13 ft or 7.050 m); minimum, 1.8 ft³/s (0.051 m³/s) Nov. 3, 1952, Oct. 31, Nov. 1, 1963; minimum gage height, 1.21 ft (0.369 m) Oct. 31, Nov. 1, 1963.

Maximum stage known since at least 1880, about 26 ft (7.9 m) Dec. 9, 1919. Flood in April 1900 reached a stage of about 24 ft (7.3 m), from information by local residents. Flood in April 1938 reached a stage of 20.7 ft (6.31 m) from information by Mississippi State Highway Departmen

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	20	53	687	198	139	1,280	1,640	480	47	368	77
2	13	22	44	935	334	131	1,760	812	263	45	252	70
3	11	16	35	1,130	449	249	3,700	445	207	42	190	63
4	9.5	12	32	1,370	587	554	2,560	401	206	40	161	73
5	8.8	9.9	33	1,560	701	725	1,910	390	168	41	102	110
6	9.5	9.9	310	1,440	743	886	1,190	367	140	87	77	119
7	7.9	12	221	1,080	340	2,220	793	343	371	254	60	127
8	6.7	13	248	992	275	2,240	1,060	948	592	345	52	127
9	5.1	13	247	974	571	1,880	1,080	1,230	282	398	46	117
10	4.9	14	146	978	766	1,850	1,100	1,210	279	356	42	106
11	5.1	13	85	994	916	1,880	1,310	1,690	251	182	37	96
12	4.9	14	64	1,060	954	1,670	1,530	2,050	159	115	33	119
13	5.1	42	56	1,080	909	1,170	948	1,620	179	92	59	212
14	4.9	28	52	504	561	996	383	655	149	189	212	291
15	5.3	44	63	270	701	1,080	313	329	126	236	149	214
16	5.3	37	78	224	903	1,340	279	258	115	175	82	135
17	4.6	41	285	196	905	1,230	352	214	142	116	77	97
18	4.0	33	419	184	1,190	1,000	719	188	173	89	279	76
19	4.4	35	425	176	1,580	1,110	1,200	170	126	80	505	63
20	5.3	30	413	162	977	1,940	1,170	156	95	72	655	54
21	5.6	33	1,080	273	315	2,210	1,710	146	82	62	843	48
22	6.5	46	1,390	602	236	1,590	2,480	142	105	55	593	44
23	40	40	1,100	788	202	683	1,940	133	120	52	152	40
24	16	31	1,020	821	182	470	1,170	143	85	52	105	38
25	21	56	1,290	834	171	1,550	1,180	154	72	47	82	36
26	29	60	1,720	683	170	1,760	5,940	246	66	65	69	35
27	51	87	1,260	342	173	2,720	8,090	533	65	110	57	34
28	26	160	322	312	156	3,650	4,770	694	58	136	53	44
29	23	109	191	294	------	2,500	2,780	645	55	76	64	73
30	19	70	176	244	------	1,900	2,140	711	51	63	88	215
31	24	------	364	204	------	1,450	------	741	------	103	45	------
TOTAL	398.4	1,150.8	13,222	21,393	15,965	44,773	56,837	19,414	5,361	3,812	5,590	2,963
MEAN	12.9	38.4	427	690	570	1,444	1,895	626	179	123	180	98.1
MAX	51	160	1,720	1,560	1,580	3,650	8,090	2,060	592	388	843	291
MIN	4.0	9.9	32	162	156	131	279	133	51	40	33	34
CFSM	.06	.16	1.83	2.96	2.45	6.20	8.13	2.69	.77	.53	.77	.42
IN.	.06	.18	2.11	3.42	2.55	7.15	9.07	3.10	.86	.61	.89	.47

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CAL YR 1972  TOTAL 117,876.3   MEAN 322   MAX 3,750   MIN 4.0   CFSM 1.38   IN 18.82
WTR YR 1973  TOTAL 190,859.2   MEAN 523   MAX 8,090   MIN 4.0   CFSM 2.24   IN 30.47
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PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
03-27	2400	16.95	4,430	04-27	0200	18.95	8,720
04-03	0400	16.81	4,200				

02474500 Tallahala Creek near Runnelstown, Miss.

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens meridian, Perry County, on right bank at downstream side of highway bridge between Sunrise and Runnelstown, 3 miles (5 km) south of Runnelstown, and 9 miles (14 km) upstream from mouth.

DRAINAGE AREA.--612 mi^2 (1,585 km^2).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft (31.876 m) above mean sea level. Prior to Oct. 1, 1971, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--34 years, 890 ft^3/s (25.20 m^3/s), 19.75 in/yr (502 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,900 ft^3/s (309 m^3/s) Apr. 29 (gage height, 23.04 ft or 7.023 m); minimum 49 ft^3/s (1.39 m^3/s) Oct. 12-13, 15, 17 (gage height, 4.93 ft or 1.503 m).

Period of record: Maximum discharge, 32,800 ft^3/s (929 m^3/s) Feb. 24, 1961 (gage height, 29.84 ft or 9.095 m in gage well, 30.07 ft or 9.165 m from outside gage, present datum); minimum, 29 ft^3/s (0.82 m) Oct. 31, 1963; minimum gage height, 4.89 ft (1.490 m), present datum, Sept. 15-19, 21, 1972.

Maximum stage since about 1865, 30½ ft (9¼ m) in April 1900; flood in December 1919 reached a stage of 26½ ft (8 m), and flood in about 1865 reached a stage between 26½ ft (8 m) and 30½ ft (9¼ m), all from information by local residents, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	119	310	2,360	538	488	5,750	7,660	1,850	242	245	192
2	60	114	231	2,240	930	450	4,450	5,220	1,670	218	900	199
3	56	129	193	2,690	1,080	437	3,530	3,000	867	213	812	234
4	56	112	175	2,970	1,130	735	4,390	1,440	764	230	420	219
5	60	90	246	2,910	1,300	1,620	5,390	1,240	718	213	330	227
6	58	74	2,260	2,880	1,440	1,720	5,220	1,210	614	246	260	329
7	55	65	3,330	2,960	1,520	2,980	5,060	1,200	590	384	215	499
8	53	63	1,500	3,180	1,070	5,690	4,340	2,740	1,090	715	196	426
9	53	69	935	3,190	1,730	6,450	3,460	3,940	1,510	850	183	353
10	53	71	792	2,710	2,370	5,660	2,960	3,580	902	877	165	327
11	52	69	582	2,360	2,180	4,700	2,560	2,980	579	721	155	300
12	50	69	406	2,200	1,960	4,520	2,500	2,850	895	452	162	290
13	50	339	336	2,140	1,850	4,080	2,600	3,200	720	344	183	518
14	50	749	299	2,080	2,360	3,190	2,130	3,290	772	649	180	949
15	49	348	308	1,430	2,240	2,480	1,140	2,130	614	481	280	786
16	50	201	364	898	1,970	2,430	921	1,000	526	484	500	556
17	49	189	381	739	1,950	3,180	1,710	748	501	384	505	358
18	50	172	645	655	1,920	3,220	3,740	616	515	361	425	295
19	53	261	888	614	2,200	2,750	4,510	536	513	294	565	241
20	57	244	1,050	593	2,530	2,590	3,760	487	465	248	1,010	216
21	54	187	4,270	682	2,310	2,930	3,150	466	357	225	1,060	198
22	53	182	5,670	1,848	1,110	3,410	2,940	433	337	208	1,050	196
23	290	173	5,110	2,050	768	3,480	3,440	414	317	206	949	190
24	230	159	3,950	1,820	647	2,480	3,740	1,670	330	198	424	172
25	120	311	2,890	1,740	587	6,060	3,940	1,600	302	183	278	154
26	91	542	2,470	1,700	549	5,750	4,220	951	276	241	234	152
27	175	365	2,610	1,520	533	5,300	5,170	1,760	288	278	211	196
28	257	342	2,590	1,070	521	4,790	7,990	2,190	370	264	195	192
29	175	374	1,310	929	------	5,280	10,500	2,620	329	392	190	157
30	137	397	748	819	------	6,350	10,000	1,700	282	344	183	297
31	131	------	1,900	711	------	6,900	------	1,560	------	280	199	------
TOTAL	2,795	6,579	48,749	56,680	41,093	112,100	125,111	64,431	20,262	11,415	12,666	9,458
MEAN	90.2	219	1,573	1,828	1,468	3,616	4,170	2,078	675	368	409	315
MAX	290	749	5,670	3,190	2,530	6,900	10,500	7,660	1,850	877	1,060	949
MIN	49	63	175	593	521	437	921	414	276	183	155	152
CFSM	.15	.36	2.57	2.99	2.40	5.91	6.81	3.40	1.10	.50	.67	.51
IN.	.17	.40	2.96	3.45	2.50	6.81	7.60	3.92	1.23	.69	.77	.57

CAL YR 1972 TOTAL 332,070 MEAN 907 MAX 5,670 MIN 46 CFSM 1.48 IN 20.18

WTR YR 1973 TOTAL 511,339 MEAN 1,401 MAX 10,500 MIN 49 CFSM 2.29 IN 31.08

02474600 Bogue Homo near Richton, Miss.

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec.17, T.5 N., R.10 W., St. Stephens meridian, Perry County, at bridge on county highway, 0.5 mile (0.8 km) upstream from Linda Creek, 1.0 mile (1.6 km) downstream from Sweetwater Creek, 3.5 miles (5.6 km) upstream from State Highway 42, and 6.0 miles (9.7 km) northwest of Richton.

DRAINAGE AREA.--344 mi² (891 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1944, 1955-56, 1965. October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 117 ft or 35.7 m (from topographic map).

EXTREMES.--Current year: Maximum discharge, 9,180 ft³/s (260 m³/s) Apr. 28 (gage height, 19.10 ft or 5.822 m); minimum, 7.7 ft³/s (0.22 m³/s) Oct. 11, 17, 18 (gage height, 3.62 ft or 1.103 m).

Period of record: Maximum discharge, 9,180 ft³/s (260 m³/s) Apr. 28, 1973 (gage height, 19.10 ft or 5.822 m); minimum, 7.0 ft³/s (0.20 m³/s) Sept. 16, 1972 (gage height, 3.60 ft or 1.097 m).

A flood prior to January 1941, reached a stage of 26½ ft (8 m) and the flood of Mar. 21, 1943, reached a stage of 25.7 ft (7.83 m) at site 3.5 miles (5.6 km) downstream at different datum (from information by Corps of Engineers). A discharge of 4.7 ft³/s (0.13 m³/s) was measured Oct. 16, 1963.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	26	61	1,450	552	110	3,590	1,820	1,050	33	460	27
2	11	25	53	1,470	539	105	2,150	1,250	799	29	400	33
3	11	37	51	1,510	723	100	1,640	742	395	26	450	35
4	11	31	51	1,630	597	1,000	1,680	375	302	24	330	34
5	10	26	124	1,630	445	1,100	1,590	330	237	29	240	66
6	9.8	24	1,550	1,490	431	1,100	1,330	310	167	38	199	92
7	9.5	22	2,850	1,430	442	1,500	1,990	300	184	85	116	163
8	9.5	22	1,980	1,740	434	1,000	2,330	2,300	164	80	70	209
9	9.1	23	1,090	1,870	956	760	1,850	2,000	312	199	67	230
10	8.8	24	681	1,430	1,230	700	1,270	1,600	479	212	60	216
11	8.4	24	273	1,230	1,180	2,000	1,250	1,100	552	138	55	170
12	8.8	24	181	1,200	1,090	1,400	1,230	900	420	85	49	163
13	8.8	302	153	1,170	962	900	1,050	600	209	67	49	332
14	8.4	503	147	1,020	1,280	780	654	400	207	315	42	654
15	8.8	324	167	810	1,480	740	358	334	167	176	47	632
16	8.8	243	223	673	1,150	700	286	218	115	318	64	495
17	8.1	116	199	609	926	2,300	571	153	109	413	388	431
18	8.4	61	181	571	814	1,600	2,290	118	134	247	328	259
19	12	88	167	548	694	1,200	3,250	99	135	116	156	136
20	11	80	249	525	501	1,600	2,360	91	120	86	126	98
21	11	63	2,680	609	540	1,800	1,490	82	95	83	112	57
22	11	51	3,830	1,060	503	1,100	1,360	76	75	77	88	56
23	102	43	4,250	1,080	470	900	1,330	74	153	59	64	67
24	41	99	3,840	852	399	800	1,140	289	179	49	49	63
25	27	267	2,770	753	207	4,500	1,400	331	96	42	42	60
26	25	348	2,070	685	138	4,000	2,280	503	63	49	37	40
27	39	232	1,560	654	122	3,380	3,330	898	67	51	32	42
28	46	126	1,070	658	118	3,170	8,350	597	49	45	29	41
29	46	82	540	647	------	2,940	4,890	553	44	40	45	50
30	38	71	337	616	------	2,970	2,610	723	38	37	33	76
31	31	------	814	571	------	3,460	------	958	------	35	28	------
TOTAL	611.2	3,407	34,192	32,191	19,025	49,715	60,899	20,044	7,119	3,283	4,251	4,963
MEAN	19.7	114	1,103	1,038	679	1,604	2,030	647	237	106	137	155
MAX	102	503	4,250	1,870	1,480	4,500	8,350	2,300	1,050	413	460	654
MIN	8.1	22	51	525	118	100	286	74	38	24	28	27
CFSM	.06	.33	3.21	3.02	1.97	4.66	5.90	1.88	.69	.31	.40	.49
IN.	.07	.37	3.70	3.48	2.06	5.38	6.59	2.17	.77	.36	.45	.54

CAL YR 1972 TOTAL 185,308.2 MEAN 506 MAX 4,250 MIN 7.7 CFSM 1.47 IN 20.04
WTR YR 1973 TOTAL 239,700.2 MEAN 657 MAX 8,350 MIN 8.1 CFSM 1.91 IN 25.92

02475000 Leaf River near McLain, Miss.

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ sec.29, T.2 N., R.8 W., St. Stephens meridian, Greene County, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 miles (1.9 km) east of McLain, 2 miles (3 km) downstream from Atkinson Creek, 6 miles (10 km) upstream from Big Oktibee Creek, and 14.6 miles (23.5 km) upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,510 mi^2 (9,090 km^2), approximately.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft (12.847 m) above mean sea level. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 5,146 ft^3/s (145.7 m^3/s), 19.91 in/yr (506 mm/yr).

EXTREMES.--Current year: (Maximum discharge and gage height not determined); minimum, 646 ft^3/s (18.3 m^3/s) Oct. 19 (gage height, 1.97 ft or 0.600 m).

Period of record: Maximum discharge, 128,000 ft^3/s (3,620 m^3/s) Feb. 26, 1961 (gage height, 31.64 ft or 9.644 m); minimum, 478 ft^3/s (13.5 m^3/s) Oct. 22, 1963; minimum gage height, 1.78 ft (0.543 m) Oct. 28, 29; Nov. 1, 2, 1968.

Flood in April 1900 reached a stage of about 32 ft (9.8 m), from information by local residents.

REMARKS.--Records good. Records of chemical analysis for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	865	1,180	2,080	12,200	4,140	2,930	35,000	35,400	6,130	1,850	2,130	1,430
2	851	1,080	1,880	12,800	5,310	2,790	30,000	32,200	6,570	1,720	2,300	1,570
3	793	1,130	1,690	14,100	5,030	2,740	26,000	24,300	5,490	1,630	2,690	1,690
4	758	1,100	1,580	13,500	6,300	3,790	26,000	15,100	4,560	1,650	2,280	1,650
5	734	1,020	1,510	12,000	7,260	6,380	28,000	8,570	4,090	1,660	1,930	1,730
6	722	959	3,980	10,500	8,130	7,950	28,600	6,990	4,060	1,870	1,860	2,820
7	714	921	11,900	10,000	6,510	8,580	27,900	6,350	4,580	2,060	1,720	4,740
8	706	894	14,500	11,000	5,220	11,300	25,900	8,470	4,510	3,570	1,490	4,870
9	702	873	11,300	13,000	5,560	16,000	23,400	13,600	4,960	4,200	1,430	3,490
10	694	870	6,970	13,800	8,760	19,700	21,200	17,500	6,320	3,950	1,420	3,310
11	678	890	5,070	13,400	11,300	22,900	19,000	18,900	6,240	3,210	1,520	2,900
12	670	887	3,980	11,900	11,300	23,800	16,900	18,900	5,690	2,540	1,430	2,710
13	670	1,010	3,170	10,200	9,550	21,000	14,000	18,200	5,130	2,090	1,450	5,810
14	666	2,960	2,730	8,100	12,000	19,200	10,600	16,200	4,440	2,090	1,650	7,650
15	662	3,710	2,540	6,640	13,500	17,500	7,750	11,300	4,570	2,420	1,690	6,130
16	662	2,490	2,630	5,290	13,900	16,000	5,920	6,760	4,140	2,300	1,840	4,950
17	662	2,000	3,270	4,430	14,900	15,400	7,020	4,750	3,500	2,240	2,220	3,900
18	654	1,690	4,150	4,010	15,500	14,900	12,200	3,920	3,240	2,430	3,650	3,030
19	650	2,050	4,370	3,790	16,000	15,900	18,900	3,490	3,190	2,130	4,230	2,450
20	670	2,150	4,240	3,630	13,900	16,300	22,000	3,310	2,930	1,750	5,070	2,030
21	678	1,990	6,120	3,870	8,780	16,400	24,300	3,190	2,510	1,710	5,410	1,810
22	694	1,820	16,300	6,660	6,340	16,000	25,200	2,990	2,670	1,900	4,940	1,650
23	750	1,640	19,900	8,690	4,730	14,000	24,900	2,830	2,700	1,810	3,860	1,570
24	1,460	1,510	22,500	8,480	4,100	10,000	23,500	3,390	2,770	1,660	2,700	1,500
25	1,780	1,610	25,000	7,430	3,730	7,000	19,200	8,790	3,320	1,550	1,960	1,450
26	1,760	2,890	25,200	6,440	3,420	7,000	16,000	11,700	2,880	1,540	1,670	1,410
27	1,500	3,400	21,200	5,580	3,250	10,000	17,400	12,000	2,460	1,700	1,560	1,510
28	1,490	2,960	15,400	4,980	3,110	35,000	20,300	11,700	2,180	1,700	1,500	1,590
29	1,530	2,520	9,200	4,470	------	40,000	25,100	10,000	2,140	1,990	1,410	1,700
30	1,460	2,240	5,910	4,130	------	42,000	32,000	8,470	2,050	1,900	1,500	1,890
31	1,340	------	6,180	3,820	------	40,000	------	6,690	------	1,890	1,470	------
TOTAL	28,625	52,444	266,350	258,840	231,430	502,460	633,990	355,820	120,320	66,720	71,980	88,000
MEAN	923	1,748	8,592	8,350	8,265	16,210	21,130	11,480	4,011	2,152	2,322	2,933
MAX	1,780	3,710	25,200	14,100	16,000	42,000	35,000	35,400	6,570	4,200	5,410	7,650
MIN	650	870	1,510	3,630	3,110	2,740	5,920	2,830	2,050	1,540	1,410	1,410
CFSM	.26	.50	2.45	2.38	2.35	4.62	6.02	3.27	1.14	.61	.66	.84
IN.	.30	.56	2.82	2.74	2.45	5.33	6.72	3.77	1.28	.71	.76	.93

CAL YR 1972 TOTAL 1,849,659 MEAN 5,054 MAX 25,200 MIN 650 CFSM 1.44 IN 19.60
WTR YR 1973 TOTAL 2,673,979 MEAN 7,326 MAX 42,000 MIN 650 CFSM 2.09 IN 28.34

NOTE:--No gage-height record Mar. 21 to Apr. 5.

02475500 Chunky River near Chunky, Miss.

LOCATION.--Lat 32°19'35", long 88°54'35", in SE¼SW¼ sec.30, T.6 N., R.14 E., Choctaw meridian, Lauderdale County, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft (762 m) upstream from Illinois Central Railroad bridge, 1.2 miles (1.9 km) east of Chunky, 3.2 miles (5.1 km) upstream from Tallahatta Creek, and 5.5 miles (8.8 km) downstream from Concobona Creek.

DRAINAGE AREA.--368 mi^2 (953 km^2).

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1963, published as Chunky Creek near Chunky.

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft (81.991 m) above mean sea level. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 454 ft^3/s (12.86 m^3/s), 16.75 in/yr (425 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,000 ft^3/s (283 m^3/s) Apr. 1 (gage height, 18.70 ft or 5.700 m); minimum, 13.2 ft^3/s (0.37 m^3/s) Oct. 17 (gage height, 2.48 ft or 0.756 m).

Period of record: Maximum discharge, 30,800 ft^3/s (872 m^3/s) Feb. 22, 1961 (gage height, 25.58 ft or 7.797 m in gage well, 25.75 ft or 7.849 m from outside gage); minimum, 1.6 ft^3/s (0.045 m^3/s) Sept. 28-30, 1954; minimum gage height, 2.08 ft (0.634 m) Oct. 21, 22, 1963.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1724: 1950 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	232	31	73	2,060	979	176	8,750	590	546	110	546	208
2	80	29	69	1,830	2,530	284	5,240	506	980	108	615	110
3	38	40	62	1,020	3,710	618	2,530	750	580	103	374	159
4	28	53	58	1,290	2,900	489	958	770	327	104	174	203
5	23	44	57	1,030	902	647	666	480	234	106	120	150
6	20	35	195	738	532	523	512	359	225	264	99	258
7	18	40	654	1,050	438	871	1,520	820	249	179	87	192
8	19	83	366	2,060	466	1,120	2,590	2,910	955	132	79	152
9	17	118	141	2,430	1,110	618	3,090	4,670	1,050	128	74	124
10	16	68	106	2,200	1,090	436	2,020	3,920	505	108	69	99
11	15	46	189	1,090	522	1,290	716	1,490	321	99	65	152
12	14	38	330	570	436	2,030	531	620	505	97	70	231
13	14	40	221	439	395	2,210	436	575	413	97	71	150
14	14	113	192	363	1,900	1,250	365	444	464	537	87	192
15	14	131	927	320	3,170	565	305	338	825	565	116	217
16	14	72	1,490	279	4,570	1,470	344	280	523	300	179	143
17	14	46	1,230	245	2,330	2,320	1,990	246	440	143	129	106
18	15	38	528	223	751	2,460	3,820	220	255	203	394	90
19	14	37	251	225	570	1,760	4,640	197	190	551	600	79
20	14	46	318	262	472	713	3,980	192	155	720	372	70
21	14	51	1,850	557	392	602	2,520	208	409	610	132	56
22	16	44	2,380	1,450	337	458	915	197	1,030	225	94	51
23	42	38	2,600	1,340	319	352	620	179	935	139	76	58
24	133	35	1,380	613	296	530	519	570	394	110	64	56
25	72	69	468	382	258	2,840	1,860	1,190	222	95	59	54
26	39	348	329	371	242	5,090	2,960	730	172	98	55	53
27	37	221	256	543	219	4,450	4,200	605	220	97	52	52
28	116	100	210	458	194	1,930	3,890	1,440	148	95	56	52
29	83	77	179	363	------	736	2,280	1,350	129	85	61	54
30	50	70	250	282	------	662	870	595	119	104	104	79
31	37	------	1,960	235	------	3,940	------	324	------	344	220	------
TOTAL	1,272	2,201	19,319	26,318	32,130	43,440	65,537	27,765	13,719	6,636	5,294	3,700
MEAN	41.0	73.4	623	849	1,148	1,401	2,185	896	457	214	171	123
MAX	232	348	2,600	2,430	4,570	5,090	8,750	4,670	1,050	720	615	258
MIN	14	29	57	223	194	176	305	179	119	85	52	52
CFSM	.11	.20	1.69	2.31	3.12	3.81	5.94	2.43	1.24	.58	.45	.33
IN.	.13	.22	1.95	2.66	3.25	4.39	6.62	2.81	1.39	.67	.54	.37

CAL YR 1972 TOTAL 143,849.50 MEAN 393 MAX 2,600 MIN .40 CFSM 1.07 IN 14.54
WTR YR 1973 TOTAL 247,331.00 MEAN 678 MAX 8,750 MIN 14 CFSM 1.84 IN 25.00

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-16	0200	13.13	5,400	04-01	1300	18.70	10,000
03-26	1800	14.27	6,220	05-09	1800	12.68	5,390

02476500 Sowashee Creek at Meridian, Miss.

LOCATION.--Lat 32°22'10", long 88°40'40", in NE¼ sec.17, T.6 N., R.16 E., Choctaw meridian, Lauderdale County, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mile (1.0 km) downstream from Southern Railway System bridge, and 8 miles (12.9 km) upstream from mouth.

DRAINAGE AREA.--51.9 mi² (134.4 km²).

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft (93.254 m) above mean sea level. Prior to Nov. 13, 1959, water-stage recorder and nonrecording gage at site 0.4 mile (0.6 km) upstream at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE.--23 years, 58.2 ft³/s (1.648 m³/s), 15.23 in/yr (387 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,690 ft³/s (133 m³/s) Mar. 31 (gage height, 19.58 ft or 5.968 m); minimum, 0.73 ft³/s (0.021 m³/s) Oct. 11, 12-15, 16 (gage height, 2.16 ft or 0.658 m).

Period of record: Maximum discharge, 9,530 ft³/s (270 m³/s) Apr. 6, 1964 (gage height, 20.95 ft or 6.386 m, present site and datum); minimum discharge, 0.20 ft³/s (0.006 m³/s) Oct. 4, 1954, and at times during July, August, September, 1957.

Maximum stage known since at least 1900, 29.5 ft (8.99 m) in February 1936, at site 0.6 mile (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 26.6 ft (8.11 m), at site 0.6 mile (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26 ft (7.9 m) at site 0.4 mile (0.6 km) upstream at present datum, from information by U.S. Weather Bureau. The flood of Feb. 21, 1961, reached a stage 6.7 ft (2.04 m) lower than that of the flood in February 1936, at site 0.6 mile (1.0 km) upstream.

REMARKS.--Records fair. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	8.9	15	111	256	33	460	102	[illegible]	8.9	19	9.5
2	8.2	16	14	84	377	119	176	119	290	8.9	24	9.5
3	5.1	17	13	139	104	98	143	110	82	8.3	16	9.5
4	3.9	14	14	161	76	71	119	93	57	10	14	9.5
5	2.9	10	15	94	64	62	101	91	45	28	12	8.9
6	2.5	8.6	74	106	57	65	90	84	39	15	11	13
7	1.9	19	29	187	49	165	953	308	35	13	9.8	18
8	1.7	20	20	742	109	81	458	1,090	49	12	9.1	16
9	1.4	14	20	134	154	67	169	295	34	14	8.7	14
10	1.2	9.5	18	91	87	58	125	155	29	18	8.4	13
11	.89	8.2	23	72	70	758	105	123	27	16	43	31
12	.73	6.3	23	58	64	259	95	126	51	15	75	20
13	.73	13	24	49	74	112	85	109	45	38	27	20
14	.73	20	27	48	877	89	78	90	31	22	120	22
15	.73	15	515	43	169	74	72	78	30	16	33	20
16	.73	11	88	38	102	852	91	72	43	16	21	17
17	1.0	8.2	49	36	81	870	182	66	27	15	45	14
18	1.0	6.3	34	37	72	143	905	50	21	33	142	11
19	1.4	15	30	36	64	108	807	57	19	28	27	9.4
20	1.9	18	39	30	57	100	182	59	18	17	22	8.7
21	2.5	13	602	229	51	83	127	54	18	14	20	8.4
22	7.0	8.9	272	176	49	69	109	53	19	12	19	8.2
23	20	7.9	76	71	47	66	99	39	17	11	17	8.2
24	13	6.7	52	55	42	188	97	221	16	9.5	15	8.2
25	8.6	91	42	47	42	1,020	830	82	14	8.9	14	8.2
26	6.3	32	35	61	40	194	951	80	13	14	13	8.0
27	34	20	29	54	37	117	351	177	12	18	11	7.9
28	18	19	26	47	34	94	180	645	10	15	11	7.9
29	14	18	23	40	------	90	134	109	9.6	13	11	8.7
30	11	17	24	34	------	147	114	67	8.9	19	10	16
31	10	------	487	33	------	2,820	------	55	------	22	10	------
TOTAL	196.04	491.5	2,752	3,142	3,305	9,072	8,388	4,839	1,389.5	508.5	858.0	383.7
MEAN	6.32	16.4	88.8	101	118	293	280	156	46.3	16.4	27.7	12.8
MAX	34	91	602	742	877	2,820	953	1,090	290	38	142	31
MIN	.73	6.3	13	30	34	33	72	39	8.9	8.3	8.4	7.9
CFSM	.12	.32	1.71	1.95	2.27	5.65	5.40	3.01	.89	.32	.53	.25
IN.	.14	.35	1.97	2.25	2.37	6.50	6.01	3.47	1.00	.36	.61	.28

CAL YR 1972 TOTAL 20,899.59 MEAN 57.1 MAX 2,220 MIN .73 CFSM 1.10 IN 14.98
WTR YR 1973 TOTAL 35,324.24 MEAN 96.8 MAX 2,820 MIN .73 CFSM 1.87 IN 25.32

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
03-16	2400	14.44	1,940	04-07	2030	11.68	1,390
03-31	1130	19.58	4,690	04-18	2330	14.23	1,900

02476600 Okatibbee Creek at Arundel, Miss.

LOCATION.--Lat 32°17'55", long 88°45'15", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw meridian, Lauderdale County, on right bank, 100 ft (30 m) downstream from Hognose Creek, 400 ft (120 m) upstream from bridge on county road, 0.6 mile (1.0 km) southeast of Arundel, and at mile 16.3 (26.2 km).

DRAINAGE AREA.--342 mi² (886 km²).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft (78.955 m) above mean sea level (Corps of Engineers bench mark). Auxiliary waterstage recorder at bridge 400 ft (120 m) downstream at same datum.

AVERAGE DISCHARGE.--5 years, 465 ft³/s (13.17 m³/s), 18.46 in/yr (469 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,900 ft³/s (195 m³/s) Apr. 1 (gage height, 18.26 ft or 5.566 m; gage height at auxiliary gage, 17.92 ft or 5.462 m); minimum daily, 36 ft³/s (1.02 m³/s) Oct. 9.
Period of record: Maximum discharge, 8,350 ft³/s (236 m³/s) Jan. 11, 1972 (gage height, 18.76 ft or 5.718 m); gage height at auxiliary gage, 18.43 ft or 5.617 m); minimum daily, 20 ft³/s (0.57 m³/s) Oct. 5, 26, 1968. Flood in 1961 reached a stage of 22.2 ft (6.77 m) at county road bridge 400 ft (120 m) downstream (from information by Corps of Engineers).

REMARKS.--Records good. Flow, from 154 mi² (399 km²) above the station, regulated by Okatibbee Lake, 21.3 miles 34.3 km) upstream. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Gage-height record at auxiliary gage and six discharge measurements furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	77	100	1,240	1,310	337	5,220	1,390	1,070	103	229	290
2	62	170	91	559	1,790	568	2,010	1,370	1,210	102	394	301
3	46	166	55	772	1,330	560	1,150	784	562	100	281	403
4	45	209	61	768	920	340	1,190	886	900	98	247	353
5	43	249	61	824	1,040	295	1,260	1,040	784	293	229	279
6	40	247	274	660	1,220	320	1,420	1,070	515	328	221	165
7	38	346	172	605	1,270	869	2,380	1,300	750	191	150	191
8	37	315	100	1,810	1,010	548	2,740	2,720	1,530	165	117	326
9	36	269	77	1,370	900	413	1,330	1,960	1,060	118	109	428
10	37	339	69	919	981	380	1,110	1,220	584	159	110	430
11	37	158	77	913	1,040	1,510	1,380	1,210	504	145	130	525
12	41	57	100	1,060	1,230	1,610	1,320	1,190	487	125	255	579
13	41	86	100	1,220	1,190	771	1,260	951	525	418	162	429
14	45	96	88	1,270	1,960	699	1,390	965	311	1,380	366	418
15	47	74	1,290	1,280	2,000	428	1,450	1,050	334	302	227	693
16	48	59	1,160	1,270	1,020	1,500	1,280	1,090	369	201	211	758
17	49	53	559	1,260	926	3,210	1,040	1,170	242	153	245	792
18	48	51	662	1,030	1,230	1,140	1,810	1,110	183	193	433	703
19	48	92	704	379	1,340	1,230	2,920	1,040	159	300	255	609
20	48	65	782	293	1,360	1,400	1,370	988	145	173	172	593
21	48	55	1,780	920	1,350	1,400	1,160	808	165	157	145	596
22	50	52	1,370	1,710	1,340	1,090	1,330	654	303	153	132	579
23	158	46	873	1,250	1,320	509	1,390	362	180	197	26	591
24	65	45	844	624	1,190	646	1,400	602	142	168	123	598
25	45	391	911	924	1,190	2,270	2,460	654	129	140	122	414
26	42	190	1,060	1,140	1,050	2,130	3,040	489	120	136	123	310
27	145	92	987	641	486	1,010	2,000	530	114	139	120	306
28	75	68	447	542	386	1,030	1,420	1,540	114	137	119	295
29	54	62	278	607	------	1,160	1,360	948	107	133	120	257
30	45	102	344	934	------	957	1,390	773	103	141	133	213
31	43	------	1,500	1,130	------	4,870	------	792	------	362	139	------
TOTAL	1,728	4,281	16,976	29,924	33,179	35,200	51,980	32,676	13,903	6,850	5,945	13,292
MEAN	55.7	143	548	965	1,185	1,135	1,733	1,054	463	221	192	463
MAX	158	391	1,780	1,810	2,000	4,870	5,220	2,720	1,530	1,380	433	792
MIN	36	45	55	293	386	295	1,040	362	103	98	109	165
CFSM	.16	.42	1.60	2.82	3.46	3.32	5.07	3.08	1.35	.65	.56	1.30
IN.	.19	.47	1.85	3.25	3.61	3.83	5.65	3.55	1.51	.75	.65	1.45

CAL YR 1972 TOTAL 150,716 MEAN 412 MAX 6,510 MIN 33 CFSM 1.20 IN 16.39
WTR YR 1973 TOTAL 245,945 MEAN 674 MAX 5,220 MIN 36 CFSM 1.97 IN 25.75

02477000 Chickasawhay River at Enterprise, Miss.

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw meridian, Clarke County, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mile (0.8 km) downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2 (254.5 km).

DRAINAGE AREA.--913 mi² (2,365 km²).

PERIOD OF RECORD.--August 1938 to current year. Gage-height records collected at same site since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft (63.283 m) above mean sea level. Prior to Jan. 6, 1939, U.S. Weather Bureau nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--35 years, 1,155 ft³/s (32.71 m³/s), 17.18 in/yr (436 mm/yr).

EXTREMES.--Current year: Maximum discharge, 16,400 ft³/s (464 m³/s) Apr. 2 (gage height, 30.38 ft or 9.260 m); minimum, 77ft³/s (2.18 m³/s), part or all of each day Oct. 9-19 (gage height, 4.53 ft or 1.381 m).

Period of record: Maximum discharge, 61,700 ft³/s (1,750 m³/s) Feb. 23, 1961 (gage height, 42.94 ft or 13.088 m, present datum); minimum, 18 ft³/s (0.51 m³/s) Sept. 25-30, 1954, Oct. 22-25, 1963; minimum gage height, 3.95 ft or 1.204 m (present datum) Oct. 13-20, 23, 24, 1952, Aug. 30, 1957.

Flood in April 1900 reached a stage of 42.2 ft or 12.86 m (present datum) from floodmark (from reports of U.S. Weather Bureau).

REMARKS.--Records good. Some regulation since Nov. 26, 1968, by Okatibbee Lake, 38 miles (61 km) upstream. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1334: 1953. WRD Miss. 1966: 1965.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	449	117	252	4,460	2,200	718	15,300	2,950	1,760	279	1,020	556
2	315	193	248	3,420	5,270	1,210	15,600	2,410	3,030	270	1,200	535
3	166	291	212	2,370	5,870	1,760	9,510	2,290	2,000	295	969	730
4	117	315	169	2,670	5,230	1,310	4,510	1,950	1,480	300	634	705
5	102	369	189	2,330	3,190	1,250	3,490	1,850	1,290	741	505	672
6	86	362	462	1,910	2,180	1,190	2,740	1,770	1,150	896	450	620
7	79	379	1,060	1,940	2,060	2,090	4,490	2,330	1,060	758	395	565
8	78	539	830	4,450	1,970	2,320	6,780	6,640	2,910	531	292	570
9	78	558	423	5,010	2,570	1,640	6,630	9,040	3,040	391	265	670
10	78	491	313	4,070	2,570	1,140	4,900	8,270	1,710	318	240	647
11	77	408	298	2,870	2,150	3,270	3,430	4,950	1,170	379	243	819
12	77	161	558	1,910	2,000	4,930	2,580	3,210	1,320	313	353	936
13	77	159	517	1,870	2,000	4,120	2,200	2,240	1,210	425	333	890
14	77	282	428	1,870	4,850	3,110	2,140	1,750	984	2,720	493	674
15	77	353	2,040	1,840	6,980	1,640	2,130	1,710	1,430	1,700	459	985
16	77	252	3,600	1,790	7,960	3,470	2,110	1,650	1,240	846	572	1,040
17	77	170	2,450	1,730	5,560	7,550	3,190	1,660	1,050	548	735	994
18	77	140	1,590	1,640	3,440	6,740	6,790	1,630	700	513	783	931
19	77	187	1,150	947	2,520	4,660	10,600	1,490	514	950	1,090	794
20	78	214	1,260	759	2,260	3,390	9,450	1,450	454	999	834	743
21	78	185	4,460	2,170	2,120	2,760	5,980	1,290	470	938	452	723
22	85	166	5,230	4,450	2,020	2,410	3,990	1,100	1,440	635	340	708
23	280	141	4,340	3,810	1,950	1,740	2,920	785	1,340	486	290	697
24	313	126	3,280	2,090	1,790	1,410	2,460	1,200	829	377	261	720
25	245	478	1,790	1,460	1,700	7,110	5,080	2,270	507	335	245	620
26	156	791	1,600	1,790	1,550	8,790	8,000	1,640	419	326	235	455
27	229	589	1,570	1,650	984	9,410	9,100	1,450	416	369	225	440
28	321	324	1,060	1,360	778	5,720	8,140	3,420	374	326	219	455
29	288	234	697	1,100	------	3,720	5,700	3,360	322	319	224	456
30	192	232	694	1,300	------	2,560	3,910	1,950	292	360	293	425
31	139	------	3,820	1,510	------	10,400	------	1,430	------	811	414	------
TOTAL	4,645	9,206	46,590	72,546	85,722	113,538	173,940	80,945	35,910	19,454	15,064	20,795
MEAN	150	307	1,503	2,340	3,062	3,663	5,798	2,611	1,197	628	486	693
MAX	449	791	5,230	5,010	7,960	10,400	15,600	9,040	3,040	2,720	1,200	1,040
MIN	77	117	169	759	778	718	2,110	785	292	270	219	425
CFSM	.16	.34	1.65	2.56	3.35	4.01	6.35	2.86	1.31	.69	.53	.76
IN.	.19	.38	1.90	2.96	3.49	4.63	7.09	3.30	1.46	.79	.61	.85

CAL YR 1972 TOTAL 399,902 MEAN 1,093 MAX 27,000 MIN 77 CFSM 1.20 IN 16.29
WTR YR 1973 TOTAL 678,355 MEAN 1,859 MAX 15,600 MIN 77 CFSM 2.04 IN 27.64

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
03-27	0600	24.99	10,000	04-19	1730	25.78	10,900
04-02	0530	30.38	16,400				

02477990 Buckatunna Creek near Denham, Miss.

LOCATION.--Lat 31°41'38", long 88°31'10", in NE¼ sec.6, T.8 N., R.5 W., St. Stephens meridian, Wayne County, on right bank on downstream side of bridge on county road, 2.7 miles (4.3 km) north of Denham, and 8.7 miles (14.0 km) east of Waynesboro.

DRAINAGE AREA.--490 mi² (1,270 km²), approximately.

PERIOD OF RECORD.--January 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.21 ft (41.822 m) above mean sea level (determined from flood profile levels). Nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum discharge, 8,220 ft^3/s (233 m^3/s) Mar. 7 (gage height, 28.96 ft or 8.827 m); minimum, 10 ft^3/s (0.28 m^3/s) Oct. 20 (gage height, 3.99 ft or 1.216 m).
Period of record: Maximum discharge, 8,220 ft^3/s (233 m^3/s) Mar. 7, 1973 (gage height, 28.96 ft or 8.827 m); minimum, 7.8 ft^3/s (0.22 m^3/s) Sept. 21-22 (gage height, 3.92 ft or 1.195 m).

REMARKS.--Records good. Records for chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	99	153	1,560	514	367	4,180	4,170	1,180	125	189	256
2	54	82	162	1,560	523	363	3,700	3,350	1,150	150	1,150	193
3	56	73	155	1,760	644	368	3,480	2,170	1,350	151	605	154
4	66	65	138	1,800	730	493	4,100	1,120	1,390	132	230	135
5	58	59	130	1,810	772	750	4,690	905	1,360	141	170	158
6	51	58	1,060	1,790	534	807	4,300	794	1,600	224	143	174
7	44	66	990	1,580	513	5,200	4,160	896	1,090	333	125	312
8	38	69	482	2,140	530	7,440	4,050	2,700	991	729	205	394
9	33	62	433	2,170	1,430	6,420	3,120	2,530	1,260	743	187	302
10	29	58	337	1,800	1,590	5,040	2,500	2,080	1,650	541	171	213
11	25	64	253	1,660	1,380	3,750	2,160	1,990	2,000	337	141	178
12	23	79	217	1,610	1,230	3,240	2,110	2,150	2,130	266	283	290
13	20	114	197	1,580	1,040	2,670	2,110	2,400	1,670	259	255	272
14	18	133	195	1,310	1,960	2,110	1,560	2,380	991	351	155	565
15	17	105	205	795	2,070	1,770	1,040	1,530	578	405	143	538
16	16	117	247	635	1,590	1,900	835	825	568	298	216	396
17	15	132	307	561	1,430	2,010	830	632	597	230	302	254
18	14	120	382	512	1,360	1,560	1,330	529	703	178	243	187
19	13	127	336	497	1,230	1,610	1,830	458	493	154	205	151
20	13	115	356	500	966	1,750	1,430	414	372	163	333	128
21	15	100	3,190	727	582	1,990	1,410	389	304	151	249	113
22	16	104	3,640	2,200	596	2,230	1,440	372	263	149	168	101
23	68	108	2,680	2,060	533	2,290	1,510	365	235	136	131	93
24	59	106	2,020	1,770	489	1,840	1,520	396	215	139	111	88
25	50	146	1,620	1,500	465	3,990	2,580	447	201	158	97	92
26	81	172	1,420	1,360	441	3,790	4,990	594	186	160	89	78
27	104	147	968	1,110	421	3,100	7,280	804	169	168	81	87
28	95	194	578	881	393	2,660	7,640	1,270	154	149	76	91
29	77	229	462	785	------	2,480	6,040	1,640	142	157	78	90
30	88	182	406	679	------	2,660	4,930	1,450	131	165	85	153
31	109	------	1,470	580	------	3,780	------	1,250	------	157	259	------
TOTAL	1,432	3,285	25,189	41,282	26,056	80,428	92,855	42,980	25,123	7,609	6,876	6,206
MEAN	46.2	110	813	1,332	931	2,594	3,095	1,386	837	245	222	207
MAX	109	229	3,640	2,200	2,070	7,440	7,640	4,170	2,130	743	1,150	565
MIN	13	58	130	497	393	363	830	365	131	125	76	78
CFSM	.09	.22	1.66	2.72	1.90	5.29	6.32	2.83	1.71	.50	.45	.42
IN.	.11	.25	1.91	3.13	1.98	6.11	7.05	3.26	1.91	.58	.52	.47

CAL YR 1972 TOTAL 242,248.1 MEAN 662 MAX 3,950 MIN 8.4 CFSM 1.35 IN 18.39
WTR YR 1973 TOTAL 359,321.0 MEAN 984 MAX 7,640 MIN 13 CFSM 2.01 IN 27.28

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-22	0030	19.61	4,020	04-01	0130	20.93	4,440
03-07	2200	28.96	8,220	04-05	1100	21.82	4,740
03-25	2000	20.65	4,350	04-27	2230	28.90	8,180

02478500 Chickasawhay River at Leakesville, Miss.

LOCATION.--Lat 31°08', long 88°33', in SW¼ sec.12, T.2 N., R.6 W., St. Stephens meridian, Greene County, on left bank at downstream side of bridge on State Highway 63, 0.5 mile (0.8 km) southeast of Leakesville, 2 miles (3 km) upstream from Foulk ditch, and 29.1 miles (46.8 km) upstream from confluence with Leaf River.

DRAINAGE AREA.--2,680 mi^2 (6,940 km^2), approximately.

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 51.13 ft (15.584 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 3,634 ft^3/s (102.9 m^3/s), 18.41 in/yr (468 mm/yr).

EXTREMES.--Current year: Maximum discharge, 24,400 ft^3/s (691 m^3/s) May 1 (gage height, 26.80 ft or 8.169 m); minimum, 293 ft^3/s (8.30 m^3/s) Oct. 19 (gage height, 7.91 ft or 2.411 m).

Period of record: Maximum discharge, 73,600 ft^3/s (2,080 m^3/s) Feb. 28, 1961 (gage height, 33.52 ft or 10.217 m); minimum, 160 ft^3/s (4.53 m^3/s) Oct. 30, 31, 1963 (gage height, 6.74 ft or 2.054 m).

A flood in April 1900 reached a stage of 38 ft (11½ m), and a flood in July 1916 reached a stage of 31½ ft (9½ m), from information by local residents. The flood of Apr. 12, 1938, reached a stage of 34.12 ft (10.400 m), discharge, 68,000 ft^3/s (1,950 m^3/s), from information by Corps of Engineers.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1938-39.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	431	788	1,150	7,400	3,520	3,120	20,900	22,200	7,190	1,440	2,480	1,700
2	452	696	1,010	8,150	4,940	2,700	20,900	21,300	5,970	1,390	2,770	1,650
3	525	619	925	9,360	4,560	2,540	20,600	19,500	5,500	1,310	4,670	1,590
4	570	563	885	9,870	5,470	2,780	20,100	16,600	5,570	1,350	4,360	1,550
5	609	532	894	9,420	6,470	3,970	19,500	10,600	5,830	1,390	3,040	1,590
6	539	560	1,750	8,350	7,070	4,780	19,500	6,370	5,930	1,450	2,360	2,050
7	473	595	5,460	7,450	7,270	5,050	20,900	5,570	6,710	1,630	1,870	2,750
8	434	612	5,250	6,960	6,270	9,030	22,900	8,390	5,300	2,230	1,570	2,610
9	404	640	3,370	7,930	5,220	13,800	23,700	13,000	4,760	3,140	1,530	2,440
10	383	680	2,670	9,080	6,740	16,700	22,700	15,100	5,960	3,390	1,970	2,490
11	359	756	2,170	9,600	8,060	17,700	20,000	14,700	6,600	3,130	1,610	2,150
12	341	784	1,670	9,310	7,960	15,800	16,700	13,200	6,940	2,450	1,320	1,900
13	329	840	1,390	8,740	6,920	12,900	14,500	12,300	6,010	1,780	1,630	2,290
14	323	1,050	1,270	7,240	7,720	11,800	12,900	12,200	5,430	2,150	1,640	3,250
15	311	1,190	1,400	5,440	9,590	11,200	9,910	12,000	5,560	2,650	1,400	3,570
16	305	1,050	1,500	4,470	9,950	10,700	7,060	8,950	5,130	3,220	1,280	3,130
17	299	984	1,660	4,000	9,540	11,500	6,230	5,320	4,510	3,890	1,630	2,440
18	299	925	3,180	3,750	9,380	11,500	7,400	4,250	4,020	2,830	1,910	2,160
19	296	1,040	3,890	3,630	9,500	10,800	12,200	3,880	3,630	2,020	2,350	1,870
20	296	970	3,290	3,560	9,740	10,900	14,000	3,690	3,040	1,660	2,600	1,700
21	299	952	4,410	3,340	9,100	11,600	13,400	3,510	2,540	1,750	2,520	1,550
22	302	856	9,910	4,110	6,300	12,300	12,900	3,390	2,280	2,160	2,350	1,410
23	347	812	12,300	6,640	4,580	12,300	12,700	3,290	2,100	2,190	1,770	1,350
24	377	752	12,700	8,110	4,230	10,700	12,900	3,210	2,000	1,860	1,340	1,330
25	563	796	11,500	8,510	3,960	14,300	12,800	3,430	2,440	1,620	1,130	1,250
26	660	912	9,740	8,100	3,790	17,500	12,700	3,690	2,350	1,670	1,010	1,200
27	760	1,180	8,100	6,290	3,590	18,200	14,500	4,540	1,990	1,870	944	1,170
28	776	1,280	5,550	4,940	3,440	17,800	16,900	5,370	1,680	1,710	894	1,170
29	808	1,420	3,850	4,430	------	17,300	19,300	5,920	1,560	1,640	862	1,090
30	828	1,350	3,210	3,930	------	17,100	21,600	7,670	1,490	1,590	1,130	1,060
31	812	------	5,750	3,460	------	18,900	------	8,030	------	1,660	1,640	------
TOTAL	14,510	26,184	131,804	205,570	184,980	357,270	481,900	281,130	130,120	64,240	59,360	57,470
MEAN	468	873	4,252	6,631	6,606	11,520	16,060	9,059	4,337	2,072	1,915	1,916
MAX	828	1,420	12,700	9,870	9,950	18,900	23,700	22,200	7,190	3,890	4,670	3,570
MIN	296	532	885	3,340	3,440	2,540	6,230	3,210	1,490	1,310	862	1,050
CFSM	.17	.33	1.59	2.47	2.46	4.30	5.99	3.38	1.62	.77	.71	.71
IN.	.20	.36	1.83	2.85	2.57	4.96	6.69	3.90	1.81	.89	.82	.80

CAL YR 1972 TOTAL 1,345,592 MEAN 3,676 MAX 18,300 MIN 296 CFSM 1.37 IN 18.68
WTR YR 1973 TOTAL 1,994,538 MEAN 5,464 MAX 23,700 MIN 296 CFSM 2.04 IN 27.69

02479000 Pascagoula River at Merrill, Miss.
(International Hydrological Decade River Station)

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens meridian, George County, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mile (0.8 km) downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mile (0.8 km) west of Merrill, and at mile 80.8 (130 km).

DRAINAGE AREA.-6,600 mi² (17,100 km²), approximately.

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for October and November 1930, published in WSP 1304. Gage-height records collected in same vicinity since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft (8.001 m) above mean sea level. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--43 years, 9,387 ft³/s (265.8 m³/s), 19.31 in/yr (490 mm/yr).

EXTREMES.--Current year: Maximum discharge, 58,300 ft³/s (1,650 m³/s) Apr. 1 (gage height, 23.53 ft or 7.172 m); minimum, 983 ft³/s (27.8 m³/s) Oct. 19, 20 (gage height, 2.44 ft or 0.744 m).

Period of record: Maximum discharge, 178,000 ft³/s (5,040 m³/s) Feb. 27, 1961 (gage height, 30.66 ft or 9.345 m); minimum, 696 ft³/s (19.7 m³/s) Nov. 3, 1936; minimum gage height, 1.92 ft (0.585 m) Oct. 21-26, 1963.

A flood in April 1900 reached a stage of 32.5 ft (9.91 m), and the flood of July 9, 1916, reached a stage of 31.0 ft (9.45 m), from information by U.S. Weather Bureau.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,340	2,250	3,650	22,700	8,390	7,420	57,800	52,600	15,200	4,340	5,260	3,050
2	1,380	2,100	3,270	23,300	13,200	6,890	55,700	54,900	14,600	4,100	6,790	3,150
3	1,340	1,970	2,920	24,500	12,500	6,600	52,700	51,700	13,100	3,860	7,230	3,320
4	1,370	1,920	2,690	25,200	12,400	7,040	50,400	45,000	11,600	3,790	8,220	3,260
5	1,400	1,790	2,590	25,700	14,100	10,400	49,400	35,200	11,000	3,950	6,420	3,280
6	1,410	1,670	4,610	25,500	15,900	13,300	49,300	26,800	11,200	4,490	5,150	4,420
7	1,340	1,650	14,100	23,800	16,000	15,000	50,300	18,900	14,000	4,690	4,420	9,300
8	1,250	1,650	19,300	21,900	14,200	17,700	51,300	18,600	13,600	5,960	3,680	9,710
9	1,190	1,650	17,700	21,100	13,200	23,300	50,800	23,300	12,000	7,650	3,240	7,750
10	1,140	1,660	11,800	22,800	15,400	29,000	49,600	28,400	12,500	8,320	3,240	6,700
11	1,100	1,710	8,560	24,100	19,300	34,900	47,300	33,000	13,900	7,700	3,570	6,310
12	1,070	1,810	6,660	23,700	21,200	40,400	43,300	35,400	13,900	6,570	3,080	5,660
13	1,060	1,880	5,400	22,200	20,500	41,800	38,300	35,400	13,500	5,150	2,940	9,950
14	1,040	3,200	4,650	19,800	22,900	39,300	32,200	33,900	12,100	4,550	3,350	15,400
15	1,040	5,080	4,430	16,200	26,100	35,900	26,500	29,900	11,600	5,450	3,270	12,900
16	1,030	4,280	4,740	12,600	26,100	32,900	20,900	24,500	11,400	5,830	3,110	10,600
17	1,020	3,420	5,240	10,300	26,400	31,100	16,600	18,600	9,970	6,420	3,390	8,290
18	1,020	2,950	6,630	9,230	26,500	29,800	19,100	12,400	9,080	6,700	4,920	6,590
19	988	3,260	8,250	8,880	26,900	29,300	27,200	9,960	9,300	5,510	5,330	5,270
20	995	3,820	8,410	8,560	26,500	29,300	33,300	9,050	7,690	4,320	7,730	4,390
21	1,020	3,410	11,000	8,370	23,200	29,000	37,800	8,690	5,920	3,850	8,310	3,870
22	1,050	3,050	21,700	10,800	18,900	27,800	40,400	8,120	6,520	4,290	6,070	3,510
23	1,110	2,730	27,300	14,700	13,500	25,700	41,000	7,750	6,250	4,610	6,680	3,260
24	1,580	2,500	31,600	17,200	10,400	23,900	40,600	7,770	5,920	4,250	4,650	3,190
25	2,230	2,560	35,400	17,300	9,330	31,000	39,000	11,800	5,360	3,820	3,390	2,980
26	2,610	3,720	37,100	16,600	8,570	41,800	35,100	15,700	5,510	3,640	2,790	2,950
27	2,580	4,670	35,400	15,200	8,180	47,200	33,200	17,300	5,920	3,890	2,520	2,970
28	2,550	4,500	28,600	12,600	7,900	49,700	35,000	18,200	5,120	4,090	2,430	3,140
29	2,610	4,180	19,100	10,600	------	52,100	39,500	17,500	4,780	4,060	2,310	3,120
30	2,550	3,940	11,900	9,600	------	55,100	46,300	16,800	4,560	4,190	2,590	3,360
31	2,460	------	15,200	8,720	------	57,300	------	15,900	------	4,300	2,820	------
TOTAL	45,873	84,980	419,900	533,760	477,670	921,950	1,209,9M	742,840	298,100	154,330	141,900	171,120
MEAN	1,480	2,833	13,550	17,220	17,060	29,740	40,330	23,960	9,937	4,978	4,577	5,704
MAX	2,610	5,080	37,100	25,700	26,900	57,300	57,800	54,900	15,200	8,320	8,310	15,400
MIN	988	1,650	2,590	8,370	7,900	6,600	16,600	7,750	4,560	3,640	2,310	2,950
CFSM	.22	.43	2.05	2.61	2.58	4.51	6.11	3.63	1.51	.75	.69	.86
IN.	.26	.48	2.37	3.01	2.69	5.20	6.82	4.19	1.69	.87	.80	.96

CAL YR 1972 TOTAL 3,356,463 MEAN 9,171 MAX 37,100 MIN 988 CFSM 1.39 IN 18.92
WTR YR 1973 TOTAL 5,202,323 MEAN 14,250 MAX 57,800 MIN 988 CFSM 2.16 IN 29.32

02479130 Black Creek near Brooklyn, Miss.

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on U.S. Highway 49, 1.1 miles (1.8 km) southwest of Brooklyn, and 4.5 miles (7.2 km) upstream from Chaney Creek.

DRAINAGE AREA.--361 mi² (935 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1954-57, 1959, 1964-66. October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft (39.057 m) above mean sea level (Mississippi State Highway Department bench mark).

EXTREMES.--Current year: Maximum discharge, 8,490 ft³/s (240 m³/s) Mar. 25 (gage height, 20.09 ft or 6.123 m); minimum, 86 ft³/s (2.44 m³/s), part of each day Oct. 13-19 (gage height, 3.80 ft or 1.158 m).

Period of record: Maximum discharge, 8,490 ft³/s (240 m³/s) Mar. 25, 1973 (gage height, 20.09 ft or 6.123 m); minimum, 86 ft³/s (2.44 m³/s), part of each day Oct. 13-19 (gage height, 3.80 ft or 1.158 m).

Flood of Feb. 18, 1961, reached a stage of 25.70 ft (7.833 m), discharge, 21,500 ft³/s (609 m³/s).

REMARKS.--Records good except those for period of no gage-height record, which are fair. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS.--WRD Miss. 1971 Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	172	354	1,510	465	328	2,630	720	420	190	167	144
2	109	157	304	1,680	567	330	1,910	590	600	130	595	411
3	106	173	270	1,680	584	363	1,440	554	552	150	457	622
4	103	186	242	1,530	491	536	1,230	561	389	300	282	453
5	101	160	260	1,250	414	880	1,020	513	333	700	197	414
6	100	142	1,680	1,070	371	754	853	452	717	1,500	200	990
7	97	141	2,390	1,070	346	785	3,170	651	815	900	200	1,250
8	96	166	1,790	1,270	368	853	3,750	1,650	730	450	178	815
9	94	169	1,430	1,210	966	791	2,020	1,400	593	270	169	545
10	92	163	1,070	1,110	1,020	670	1,490	937	470	220	165	429
11	90	161	873	1,020	1,010	969	1,190	856	400	190	164	338
12	89	154	660	912	969	1,110	955	802	940	190	148	302
13	87	284	542	846	915	897	768	622	500	210	149	1,030
14	86	994	529	754	2,000	757	648	438	450	450	180	1,910
15	86	866	513	660	1,420	622	580	358	1,000	300	175	1,290
16	86	609	571	584	1,020	730	644	328	500	150	197	958
17	87	435	510	526	953	1,010	2,470	299	300	145	255	539
18	87	341	435	497	740	825	4,740	280	220	138	484	328
19	87	644	371	484	560	744	4,960	265	200	131	441	255
20	88	696	349	462	545	839	3,920	256	200	132	304	228
21	91	542	2,810	596	472	1,040	3,120	251	210	145	200	204
22	94	385	3,240	1,080	437	822	1,930	244	260	154	155	198
23	280	302	2,900	919	408	584	1,320	235	205	149	135	178
24	590	246	2,750	764	391	919	1,050	333	180	136	126	173
25	462	730	1,640	676	394	7,480	1,150	751	170	150	121	156
26	270	1,100	1,110	628	402	7,160	2,320	1,190	160	357	116	158
27	284	849	873	587	380	4,170	1,560	1,420	230	580	119	158
28	420	603	706	529	352	2,810	1,130	1,420	170	333	141	290
29	377	447	603	539	------	2,490	1,100	870	155	246	158	392
30	280	391	856	504	------	1,890	987	561	145	226	195	323
31	216	------	3,060	456	------	2,960	------	455	------	208	157	------
TOTAL	5,257	12,408	35,691	27,403	18,955	47,108	55,955	20,302	12,293	9,540	6,934	15,440
MEAN	170	414	1,151	884	677	1,520	1,865	655	410	308	224	515
MAX	590	1,100	3,240	1,680	2,000	7,480	4,960	1,650	1,000	1,500	657	1,910
MIN	86	141	242	456	346	328	580	235	145	130	116	144
CFSM	.47	1.15	3.19	2.45	1.88	4.21	5.16	1.81	1.14	.85	.62	1.43
IN.	.54	1.28	3.68	2.82	1.95	4.85	5.76	2.09	1.27	.98	.71	1.59

CAL YR 1972 TOTAL 234,843 MEAN 642 MAX 5,740 MIN 86 CFSM 1.78 IN 24.20
WTR YR 1973 TOTAL 267,186 MEAN 732 MAX 7,480 MIN 86 CFSM 2.03 IN 27.53

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1800	13.48	3,890	04-07	1930	15.09	4,850
12-31	0530	13.43	3,860	04-19	0130	15.69	5,210
03-25	2100	20.09	8,490				

NOTE.--No gage-height record June 10 to July 18.

02479155 Cypress Creek near Janice, Miss.
(Hydrologic bench-mark station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens meridian, Perry County, on right bank at downstream side of bridge on State Highway 29, 1.2 miles (1.9 km) east of Janice, and 5.5 miles (8.8 km) upstream from mouth.

DRAINAGE AREA.--52.2 mi² (135 km²).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft or 34 m (from topographic map).

AVERAGE DISCHARGE.--7 years, 79.0 ft³/s (2.237 m³/s), 20.55 in/yr (522 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,700 ft³/s (105 m³/s) Mar. 25 (gage height, 21.66 ft or 6.602 m); minimum, 5.8 ft³/s (0.16 m³/s), part of each day Oct. 10-15, 18 (gage height, 5.53 ft or 1.686 m).
Period of record: Maximum discharge, 7,720 ft³/s (219 m³/s) Apr. 13, 1969 (gage height, 26.01 ft or 7.928 m); minimum, 4.5 ft³/s (0.13 m³/s) Sept. 2, 3, 1968.
Flood of June 1, 1959, reached a stage of 32.06 ft or 9.772 m (discharge, 22,800 ft³/s or 646 m³/s).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	9.2	34	518	284	49	204	50	26	15	19	27
2	7.1	9.5	28	366	429	80	132	49	24	13	22	56
3	6.9	25	25	305	148	105	143	50	23	17	25	56
4	6.9	21	23	198	90	174	145	48	21	49	17	53
5	6.9	14	20	134	74	215	102	42	20	56	22	107
6	6.6	11	567	115	65	110	86	60	24	195	40	737
7	6.4	11	574	153	60	497	392	144	32	106	37	573
8	6.4	22	139	215	79	289	414	393	41	57	22	243
9	6.2	17	83	154	231	140	153	209	48	28	17	119
10	6.2	13	67	105	207	104	101	77	42	20	29	230
11	6.0	12	63	95	167	225	83	53	31	19	38	152
12	6.0	11	57	88	165	295	75	46	62	16	27	154
13	5.8	96	52	82	240	137	68	43	63	21	19	394
14	6.0	240	72	75	1,540	102	62	38	41	50	63	395
15	6.0	77	132	69	464	86	57	33	79	26	45	138
16	6.0	35	100	62	192	175	69	30	47	17	42	78
17	6.0	25	60	57	137	307	377	28	30	14	112	55
18	6.0	25	49	59	114	135	1,210	26	23	13	207	65
19	6.2	227	45	78	99	89	776	25	19	12	63	62
20	6.0	139	60	64	87	120	240	25	19	12	30	36
21	6.9	55	826	119	78	129	146	25	19	14	28	31
22	6.6	37	538	225	71	82	112	24	20	30	17	28
23	13	29	171	106	67	64	93	23	17	29	16	27
24	14	25	106	68	63	442	84	49	16	18	15	26
25	10	110	81	57	75	2,780	107	90	15	14	14	23
26	8.9	139	67	83	69	506	147	116	14	29	14	20
27	27	61	58	85	59	234	91	100	20	25	15	51
28	23	39	52	67	52	197	67	55	20	20	15	56
29	15	31	49	57	------	475	58	36	17	15	36	44
30	11	33	61	49	------	334	53	27	14	16	244	66
31	9.7	------	1,780	47	------	382	------	24	------	39	48	------
TOTAL	272.7	1,589.7	6,048	3,955	5,406	8,979	5,847	2,018	888	1,005	1,351	4,052
MEAN	8.80	53.0	195	128	193	290	195	65.1	29.6	32.4	43.6	135
MAX	27	240	1,780	518	1,540	2,780	1,210	393	79	195	244	737
MIN	5.8	9.2	23	47	52	49	53	23	14	12	14	20
CFSM	.17	1.02	3.74	2.45	3.70	5.56	3.74	1.25	.57	.62	.84	2.59
IN.	.19	1.13	4.31	2.82	3.85	6.40	4.17	1.44	.63	.72	.96	2.89

CAL YR 1972 TOTAL 33,624.3 MEAN 91.9 MAX 1,780 MIN 5.0 CFSM 1.76 IN 23.96
WTR YR 1973 TOTAL 41,421.4 MEAN 113 MAX 2,780 MIN 5.8 CFSM 2.16 IN 29.52

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-31	1200	18.04	2,160	03-25	0830	21.66	3,700
02-14	0130	17.11	1,950	04-18	1430	16.45	1,820

02479160 Black Creek near Wiggins, Miss.

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens meridian, Stone County, on left bank on downstream side of bridge on State Highway 26, 1.7 miles (2.7 km) downstream from Flat Branch, 8.6 miles (13.8 km) upstream from Sweetwater Creek, and 13.4 miles (21.6 km) east of Wiggins.

DRAINAGE AREA.--730 mi² (1,890 km², approximately.

PERIOD OF RECORD.--Occasional discharge measurements 1956, 1957, 1959, 1960. October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 48.89 ft (14.902 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 11,600 ft³/s (329 m³/s) Mar. 26 (gage height, 22.51 ft or 6.861 m); minimum, 164 ft³/s (4.64 m³/s) Oct. 19, 20 (gage height, 3.80 ft or 1.158 m).
A flood (believed to be that of July 1916) reached a stage of 30.5 ft or 9.30 m, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft (7.888 m), and the flood of Feb. 19, 1961, 25.83 ft or 7.873 m (from floodmarks); discharge, about 26,000 ft³/s (736 m³/s), based on peak data at sites upstream and downstream.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	257	308	609	5,620	1,360	771	5,350	1,350	710	320	495	414
2	225	272	557	6,000	3,360	824	4,770	1,190	660	310	430	428
3	206	334	503	4,900	1,940	1,000	3,190	1,070	630	332	833	768
4	198	321	465	3,920	1,220	1,060	2,490	1,040	590	515	771	818
5	194	308	460	3,290	1,010	1,770	1,980	990	560	645	488	806
6	187	272	1,690	2,720	993	1,630	1,600	918	550	634	595	2,030
7	182	253	4,020	2,320	927	1,880	2,430	994	1,300	978	631	3,890
8	180	250	3,610	2,280	924	2,720	5,570	2,690	2,600	987	490	3,110
9	178	286	2,340	2,380	1,420	1,870	7,120	3,550	2,100	719	399	1,530
10	176	281	1,790	1,950	2,100	1,440	4,530	2,410	1,600	543	414	1,260
11	173	288	1,410	1,740	1,980	1,470	2,370	1,490	1,500	465	503	1,130
12	169	289	1,190	1,590	1,920	2,470	1,880	1,310	1,300	403	444	1,070
13	168	300	968	1,460	1,980	2,000	1,560	1,090	1,200	398	374	2,130
14	165	984	924	1,370	6,510	1,520	1,340	866	1,040	620	384	3,750
15	165	1,050	1,120	1,250	8,300	1,290	1,200	752	900	475	448	3,520
16	165	971	1,150	1,130	5,130	1,300	1,880	710	950	408	469	2,070
17	165	719	984	1,030	2,220	2,560	5,050	681	880	370	745	1,350
18	165	568	836	978	1,720	2,130	8,530	642	2,200	332	949	899
19	165	924	748	1,110	1,490	1,470	9,990	608	1,900	370	963	722
20	165	958	704	1,000	1,280	1,410	8,930	594	1,350	329	681	622
21	168	736	3,090	1,050	1,120	1,760	6,200	555	1,000	327	503	554
22	172	699	5,880	1,840	1,030	1,630	3,180	549	720	416	388	503
23	203	573	5,770	1,830	968	1,260	2,100	530	560	408	332	673
24	342	490	4,760	1,370	933	1,250	2,090	510	480	354	302	475
25	570	611	3,710	1,170	930	7,900	3,140	530	420	329	286	441
26	465	968	2,680	1,130	958	11,100	4,000	790	380	372	277	412
27	408	1,060	1,760	1,170	990	11,400	3,000	1,300	360	642	274	432
28	456	906	1,350	1,040	924	10,500	2,000	1,200	440	851	276	470
29	503	754	1,200	952	------	8,520	1,700	900	390	592	297	578
30	441	636	1,090	906	------	6,820	1,520	800	360	458	520	552
31	360	------	2,660	851	------	5,610	------	750	------	620	533	------
TOTAL	7,736	17,369	60,027	61,347	55,037	100,335	110,690	33,379	29,530	15,522	15,473	37,357
MEAN	250	579	1,936	1,979	1,966	3,237	3,690	1,077	984	501	499	1,266
MAX	570	1,060	5,880	6,000	8,300	11,400	9,990	3,580	2,600	987	960	3,890
MIN	165	250	460	851	924	771	1,200	510	360	310	274	412
CFSM	.34	.79	2.65	2.71	2.69	4.43	5.05	1.48	1.35	.69	.68	1.71
IN.	.39	.89	3.06	3.13	2.80	5.11	5.64	1.70	1.50	.79	.79	1.90

CAL YR 1972 TOTAL 455,545 MEAN 1,245 MAX 9,380 MIN 165 CFSM 1.71 IN 23.21
WTR YR 1973 TOTAL 543,812 MEAN 1,490 MAX 11,400 MIN 165 CFSM 2.04 IN 27.71

PEAK DISCHARGE (BASE, 7,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-01	1900	19.10	7,890	02-26	1900	22.51	11,600
02-15	0900	19.92	8,630	04-19	1030	21.40	10,100

NOTE: No gage-height record May 24 to July 2.

02479300 Red Creek at Vestry, Miss.

LOCATION.--Lat 30°44'10", long 88°46'50", in SW¼SW¼ sec.34, T.3 S., R.8 W., St. Stephens meridian, George County, near center of channel on downstream side of bridge on county highway, 0.5 mile (0.8 km) north of Vestry, and 1.1 miles (1.8 km) upstream from Little Red Creek.

DRAINAGE AREA.--416 mi² (1,077 km²).

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft (6.126 m) above mean sea level.

AVERAGE DISCHARGE.--15 years, 793 ft³/s (22.46 m³/s), 25.89 in/yr (658 mm/yr).

EXTREMES.--Current year: Maximum discharge, 12,400 ft³/s (351 m³/s) Mar. 27 (gage height, 16.53 ft or 5.038 m); minimum, 115 ft³/s (3.26 m³/s) Oct. 20, 21 (gage height, 3.56 ft or 1.085 m).
Period of record: Maximum discharge, 21,500 ft³/s (609 m³/s) Dec. 12, 1961; maximum gage height, 18.78 ft (5.724 m) Apr. 28, 1964; minimum discharge, 88 ft³/s (2.49 m³/s) Oct. 22, 1963 (gage height, 3.22 ft or 0.981 m).

REMARKS.--Records fair. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	198	354	2,460	538	603	3,720	640	320	230	512	450
2	152	181	324	3,420	1,240	618	3,080	590	320	217	616	560
3	142	171	307	3,490	2,130	1,010	2,100	550	355	205	459	540
4	137	284	289	2,590	1,310	1,080	1,760	520	315	198	414	600
5	134	234	278	1,650	927	1,390	1,380	490	293	222	421	1,500
6	132	207	624	1,210	572	1,540	1,090	470	365	486	457	3,000
7	129	190	1,860	1,040	591	1,170	1,710	450	436	561	753	2,100
8	127	177	2,270	1,100	549	1,300	3,000	1,140	916	663	770	1,200
9	125	167	1,330	1,120	904	1,460	3,400	1,850	1,430	841	601	960
10	124	164	972	1,000	1,240	1,050	2,780	1,720	1,030	779	401	850
11	123	161	825	888	1,270	895	1,930	1,130	696	508	328	800
12	121	160	650	817	1,200	1,080	1,250	847	996	339	462	895
13	120	167	563	767	1,130	1,100	949	643	645	281	502	4,470
14	121	219	506	737	2,460	899	827	534	503	293	490	5,640
15	122	382	983	702	4,980	771	737	480	480	336	480	4,850
16	118	424	1,680	654	8,790	806	682	438	508	290	532	3,890
17	118	363	1,120	584	6,210	1,680	1,220	399	462	258	735	2,490
18	118	310	739	549	3,050	1,750	2,870	374	472	229	910	1,290
19	117	327	591	861	1,570	1,110	4,530	354	1,170	229	600	845
20	115	802	521	880	1,100	1,180	6,120	339	810	211	450	678
21	116	811	2,130	710	932	1,870	6,450	323	500	190	370	573
22	119	553	4,120	960	834	1,430	4,860	314	350	259	320	498
23	128	412	5,430	968	762	928	2,530	304	300	601	280	443
24	150	331	4,770	817	716	827	1,400	312	270	387	260	417
25	150	389	2,840	698	722	3,320	1,230	450	250	278	250	396
26	156	809	1,430	654	932	8,970	2,310	674	230	289	250	382
27	203	733	960	729	764	11,100	1,700	867	300	459	260	379
28	291	589	773	688	570	7,320	1,200	799	300	794	260	392
29	275	501	676	612	------	5,130	840	601	230	953	460	394
30	248	429	620	553	------	3,620	700	438	210	938	900	610
31	222	------	1,140	506	------	3,800	------	357	------	845	650	------
TOTAL	4,612	10,845	41,675	34,414	47,993	70,807	68,455	19,407	15,462	13,359	15,153	42,052
MEAN	149	362	1,344	1,110	1,710	2,284	2,282	626	515	431	489	1,402
MAX	291	811	5,430	3,490	8,790	11,100	6,450	1,850	1,430	953	910	5,640
MIN	115	160	278	506	538	603	682	304	210	190	250	379
CFSM	.36	.87	3.23	2.67	4.11	5.49	5.49	1.50	1.24	1.04	1.18	3.37
IN.	.41	.97	3.73	3.08	4.28	6.33	6.12	1.74	1.38	1.19	1.36	3.76

CAL YR 1972 TOTAL 313,855 MEAN 858 MAX 6,840 MIN 115 CFSM 2.06 IN 28.07
WTR YR 1973 TOTAL 384,144 MEAN 1,052 MAX 11,100 MIN 115 CFSM 2.53 IN 34.35

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-23	1600	14.28	5,640	04-21	0200	14.64	6,720
02-16	1030	15.54	9,420	09-13	1900	15.20	8,400
03-27	0130	16.53	12,400				

02479500 Escatawpa River near Wilmer, Ala.

LOCATION.--Lat 30°51'44", long 88°25'04", in NW¼ sec.19, T.2 S., R.4 W., Mobile County, near midstream on downstream side of bridge on U.S. Highway 98 at Alabama-Mississippi State line, 0.2 mile (0.3 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mile (0.8 km) upstream from Rocky Creek, and 4 miles (6 km) northwest of Wilmer.

DRAINAGE AREA.--506 mi² (1,311 km²).

PERIOD OF RECORD.--August 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.01 ft (16.767 m) above mean sea level.

AVERAGE DISCHARGE.--28 years, 923 ft³/s (26.14 m³/s), 24.77 in/yr (629 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,890 ft³/s (223 m³/s) Sept. 14 (gage height, 17.73 ft or 5.404 m); minimum, 76 ft³/s (2.15 m³/s) Oct. 14-21.
Period of record: Maximum discharge, 30,000 ft³/s (850 m³/s) June 2, 1959 (gage height, 24.66 ft or 7.516 m); minimum, 37 ft³/s (1.05 m³/s) Sept. 2, 3, 4, 1954.

REMARKS.--Records good except those for period of no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 1624: 1948-49.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	125	230	4,090	457	473	5,400	918	531	497	794	176
2	101	115	204	4,100	1,110	566	5,000	763	556	457	1,130	304
3	100	108	185	3,550	2,560	837	3,300	652	430	433	1,360	393
4	96	104	171	2,760	2,640	811	2,500	583	340	404	1,040	518
5	92	100	179	2,030	1,610	884	1,800	525	289	384	703	593
6	87	97	1,010	1,710	1,310	822	1,400	475	396	773	710	1,270
7	83	101	1,820	1,530	1,010	781	1,900	500	1,290	1,110	811	1,900
8	82	102	1,460	1,480	933	808	2,700	1,900	1,590	925	753	1,790
9	80	98	1,000	1,440	1,160	781	3,400	2,540	1,460	668	723	1,350
10	78	97	788	1,320	1,550	709	3,200	2,600	1,090	487	503	1,370
11	77	97	616	1,190	1,810	734	2,550	2,600	986	472	633	1,010
12	77	96	502	1,040	1,570	1,280	2,020	3,280	1,910	373	780	997
13	77	129	666	914	1,570	1,410	1,610	2,470	1,680	605	919	4,030
14	76	561	750	820	4,970	1,320	1,290	1,320	1,130	1,330	749	7,650
15	76	509	1,250	755	6,460	1,090	1,080	914	1,040	760	986	5,680
16	76	381	1,190	672	4,760	1,060	918	675	921	646	969	2,830
17	76	267	797	579	3,270	2,040	848	531	794	460	790	1,630
18	76	205	612	548	2,460	2,220	1,230	454	646	330	614	1,200
19	76	343	480	673	1,980	1,980	3,230	404	543	267	646	983
20	76	471	417	663	1,470	1,920	3,900	370	1,130	245	500	794
21	77	429	2,880	642	1,160	1,950	2,850	351	1,830	282	400	617
22	77	331	3,820	687	947	1,640	2,140	330	1,210	258	340	516
23	84	239	3,070	734	791	1,340	1,910	309	756	325	290	458
24	97	194	1,980	760	689	1,080	1,560	338	614	393	262	424
25	93	451	1,430	724	643	4,380	1,230	684	451	340	219	398
26	88	999	1,230	721	603	7,000	1,380	671	349	297	189	398
27	158	718	1,080	746	557	5,200	2,050	655	292	368	176	811
28	266	488	884	702	510	2,500	1,980	646	258	481	197	1,110
29	214	336	695	634	------	1,500	1,630	618	256	624	195	911
30	178	262	571	536	------	1,800	1,190	525	245	568	199	775
31	145	------	2,320	453	------	2,800	------	469	------	756	186	------
TOTAL	3,141	8,553	34,287	39,203	50,460	53,716	67,196	30,080	24,713	16,318	18,764	42,766
MEAN	101	285	1,106	1,265	1,802	1,733	2,240	970	824	526	605	1,426
MAX	266	999	3,820	4,100	6,460	7,000	5,400	3,280	1,910	1,330	1,360	7,660
MIN	76	96	171	453	457	473	848	309	245	245	176	176
CFSM	.20	.56	2.19	2.50	3.56	3.42	4.43	1.92	1.63	1.04	1.20	2.82
IN.	.23	.63	2.52	2.88	3.71	3.95	4.94	2.21	1.82	1.20	1.38	3.14

CAL YR 1972 TOTAL 314,512 MEAN 859 MAX 7,280 MIN 71 CFSM 1.70 IN 23.12
WTR YR 1973 TOTAL 389,197 MEAN 1,066 MAX 7,660 MIN 76 CFSM 2.11 IN 28.61

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
02-15	0200	16.65	6,790	04-01	Unknown	Unknown	Unknown
03-26	Unknown	Unknown	Unknown	09-14	1000	17.73	7,890

02481000 Biloxi River at Wortham, Miss.

LOCATION.--Lat 30°33'30", long 89°07'20", in SE¼SE¼ sec.31, T.5 S., R.11 W., St. Stephens meridian, Harrison County, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mile (1.3 km) east of Wortham, 1 mile (1.6 km) downstream from Illinois Central Railroad bridge, 1 mile (1.6 km) upstream from Saucier Creek, and 4.2 miles (6.8 km) north of Lyman.

DRAINAGE AREA.--96.1 mi² (248.9 km²).

PERIOD OF RECORD.--October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is 21.18 ft (6.456 m) above mean sea level (levels by Mississippi State Highway Department).

AVERAGE DISCHARGE.--21 years, 175 ft³/s (4.956 m³/s), 24.73 in/yr (628 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,420 ft³/s (210 m³/s) Sept. 13 (gage height, 20.33 ft or 6.197 m); minimum, 2.0 ft³/s (0.057 m³/s) Oct. 19 (gage height, 0.48 ft or 0.146 m).

Period of record: Maximum discharge, 8,420 ft³/s (238 m³/s) Apr. 27, 1964; maximum gage height, 21.08 ft (6.425 m) Sept. 18, 1957; minimum discharge, 1.1 ft³/s (0.031 m³/s).

Flood in 1948 reached a stage of 23.3 ft (7.10 m), from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft (2.59 m) higher than that of Sept. 18, 1957, at a point about 1 mile (1.6 km) upstream, from information by local residents.

REMARKS.--Records good.

REVISIONS.--WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	3.4	49	719	163	93	598	154	65	29	56	48
2	7.9	3.2	44	538	536	210	374	134	59	22	67	936
3	6.3	8.0	37	316	482	430	349	122	49	18	39	777
4	5.5	7.0	32	252	246	414	386	105	44	16	25	722
5	5.2	5.0	32	203	165	560	264	89	39	16	23	593
6	4.6	5.3	458	161	137	440	204	77	110	292	73	1,140
7	4.1	8.0	942	184	120	300	1,190	129	210	134	220	1,270
8	3.6	7.1	735	254	117	306	978	590	761	97	66	759
9	3.4	6.7	330	224	342	260	590	376	278	65	44	358
10	3.2	6.3	201	163	468	195	326	206	149	43	39	256
11	3.0	5.5	160	148	440	191	234	113	88	28	165	607
12	2.8	5.2	137	142	362	308	191	94	67	20	210	957
13	2.8	8.7	114	146	302	222	163	70	59	17	262	4,390
14	2.5	19	104	136	1,200	161	141	61	70	23	170	3,650
15	2.5	44	874	119	1,560	141	125	54	55	30	144	1,400
16	2.5	46	1,110	105	924	276	126	45	114	54	81	601
17	2.2	26	540	95	372	796	959	40	419	48	70	346
18	2.2	20	254	170	270	428	2,680	36	134	27	67	234
19	2.2	62	178	601	218	238	1,990	33	75	18	69	192
20	2.2	138	158	296	184	719	991	30	448	13	50	141
21	2.2	101	3,470	230	156	850	480	28	1,100	10	32	113
22	2.5	56	2,130	376	133	494	330	27	792	16	23	95
23	3.0	37	957	258	123	266	262	25	224	36	15	80
24	4.4	28	456	169	119	568	220	26	117	70	12	76
25	3.6	135	312	129	170	4,930	748	55	79	40	11	72
26	3.3	496	226	222	222	3,050	1,250	1,050	59	29	23	59
27	7.0	220	180	276	154	913	836	1,590	46	33	52	58
28	8.0	98	148	187	110	506	396	408	43	60	28	79
29	5.2	67	129	146	------	590	246	167	37	59	65	79
30	4.2	54	119	119	------	579	187	90	40	36	59	292
31	3.5	------	647	108	------	739	------	52	------	28	45	------
TOTAL	125.6	1,726.4	15,263	7,186	9,595	20,173	17,813	6,076	5,829	1,427	2,302	20,400
MEAN	4.05	57.5	492	232	353	651	594	196	194	46.0	74.3	680
MAX	10	496	3,470	719	1,560	4,930	2,680	1,590	1,100	292	262	4,390
MIN	2.2	3.2	32	95	110	93	125	25	37	10	11	48
CFSM	.04	.60	5.12	2.41	3.67	6.77	6.18	2.04	2.02	.48	.77	7.08
IN.	.05	.67	5.91	2.78	3.83	7.81	6.90	2.35	2.26	.55	.89	7.90

CAL YR 1972 TOTAL 73,833.0 MEAN 202 MAX 3,470 MIN 2.2 CFSM 2.10 IN 28.58
WTR YR 1973 TOTAL 108,216.0 MEAN 296 MAX 4,930 MIN 2.2 CFSM 3.08 IN 41.89

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1400	14.95	4,540	09-06	1945	9.12	2,080
03-25	1030	17.16	5,650	09-11	2400	9.51	2,220
04-18	1015	11.80	3,130	09-13	1745	20.33	7,420
05-26	2330	12.79	3,530				

02481510 Wolf River near Landon, Miss.

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens meridian, Harrison County, on left bank at downstream side of bridge on county highway, 0.3 mile (0.5 km) downstream from Sandy Creek, 1.3 miles (2.1 km) upstream from Pole Branch, and 11 miles (17.7 km) northwest of Landon.

DRAINAGE AREA.--308 mi² (798 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1964-66. August 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 21.34 ft (6.504 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, about 13,200 ft³/s (374 m³/s) Mar. 24 or 25 (gage height, 16.5 ft or 5.03 m, from reconstructed graph); minimum, 44 ft³/s (1.25 m³/s) Oct. 18-22; minimum gage height, 1.32 ft (0.402 m) July 21.

Period of record: Maximum discharge, about 13,200 ft³/s (374 m³/s) Mar. 24 or 25, 1973 (gage height, 16.5 ft or 5.03 m, from reconstructed graph); minimum, 48 ft³/s (1.36 m³/s) Sept. 25, 1972 (gage height, 1.71 ft or 0.521 m); minimum gage height, 1.32 ft (0.402 m) July 21, 1973.

Flood of April 27, 1964, reached a stage of 21.06 ft (6.419 m). The flood of 1920 reached a stage about 5 ft (1.5 m) higher than that of April 1964, from information by local resident.

REMARKS.--Records poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	86	212	2,560	449	465	1,720	638	190	140	283	274
2	76	78	198	2,290	1,780	714	1,290	578	180	120	322	3,800
3	66	76	180	1,480	976	1,100	1,160	542	170	110	277	3,200
4	60	80	170	1,180	554	1,250	1,080	518	160	105	313	2,700
5	55	88	172	1,030	436	1,690	867	483	160	150	301	2,400
6	53	86	1,740	820	340	1,410	726	454	240	510	271	4,500
7	51	76	2,290	707	291	1,130	2,200	530	350	554	319	8,800
8	51	68	1,390	795	282	1,550	2,440	1,390	491	502	289	2,900
9	50	64	904	845	526	1,150	1,780	1,740	526	495	225	840
10	50	60	717	702	1,060	858	1,420	1,120	330	170	194	646
11	50	60	592	578	1,000	849	1,020	754	240	130	180	574
12	48	60	478	527	945	907	799	606	210	110	182	1,050
13	48	80	400	491	722	750	686	506	190	100	360	6,400
14	48	250	432	461	4,120	666	614	410	220	120	465	3,100
15	46	295	1,620	408	6,550	610	566	360	180	150	263	1,600
16	46	229	1,400	362	2,280	1,130	574	290	510	200	197	1,300
17	46	160	805	319	1,410	1,090	2,830	250	330	120	674	1,050
18	44	141	513	377	1,050	734	6,710	220	270	107	682	713
19	44	500	408	487	953	844	7,230	190	240	103	522	534
20	44	921	377	396	726	1,700	4,950	170	500	102	347	436
21 *	44	540	8,100	366	542	1,010	2,210	150	926	98	233	353
22	46	298	4,000	611	574	698	1,490	140	971	112	177	311
23	60	209	2,500	674	538	3,080	1,110	130	450	152	146	276
24	57	162	1,640	487	534	10,100	907	250	250	152	129	278
25	66	540	1,120	369	958	12,000	1,240	450	210	142	117	259
26	94	702	785	465	913	8,930	3,440	714	180	166	124	234
27	130	496	587	496	542	3,920	2,100	1,290	160	194	117	231
28	135	344	461	396	522	1,920	1,230	813	140	344	110	252
29	126	269	388	344	------	1,830	898	514	130	447	180	373
30	115	232	347	295	------	1,850	734	320	160	301	283	875
31	96	------	1,340	256	------	1,940	------	220	------	260	252	------
TOTAL	2,035	7,250	36,266	21,574	31,673	67,875	56,021	16,720	9,064	6,456	8,533	50,279
MEAN	65.6	242	1,170	696	1,131	2,190	1,867	539	302	209	275	1,676
MAX	135	921	8,100	2,560	6,550	12,000	7,230	1,740	971	554	682	8,800
MIN	44	60	170	256	282	465	566	130	130	98	110	231
CFSM	.21	.79	3.80	2.26	3.67	7.11	6.06	1.75	.98	.68	.89	5.44
IN.	.25	.88	4.38	2.61	3.83	8.20	6.77	2.02	1.09	.78	1.03	6.07

CAL YR 1972 TOTAL 222,914 MEAN 609 MAX 8,100 MIN 44 CFSM 1.98 IN 26.92
WTR YR 1973 TOTAL 313,756 MEAN 860 MAX 12,000 MIN 44 CFSM 2.79 IN 37.90

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	Unknown	Unknown	About 8,100	04-18	2230	12.31	7,610
02-15	0800	12.68	8,060	b09-06 or 07	Unknown	‡13.58	9,140
a03-24 or 25	Unknown	†16.5	13,200	c09-12 or 13	Unknown	‡11.38	6,620

† From reconstructed graph.
‡ From high-water mark.
a Probably occurred Mar. 25.
b Probably occurred Sept. 7.
c Probably occurred Sept. 13.

NOTE.--No gage-height record Mar. 24-26.

02482000 Pearl River at Edinburg, Miss.

LOCATION.--Lat 32°47'55", long 89°21'10", in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw meridian, Leake County, on right bank 20 ft (6 m) downstream from bridge on State Highway 16 at Edinburg, 1,100 ft (335 m) downstream from Hooper Mill Creek, 3 miles (5 km) upstream from Rice Creek and at mile 387.5 (623.5 km).

DRAINAGE AREA.--898 mi² (2,326 km²).

PERIOD OF RECORD.--August 1928 to current year. Gage-height records collected in same vicinity since 1908 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft (104.141 m) above mean sea level. Prior to July 2, 1930, nonrecording gage at site 500 ft (152 m) upstream at datum 0.12 ft (0.037 m) higher. July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--45 years, 1,056 ft³/s (29.91 m³/s), 15.97 in/yr (406 mm/yr).

EXTREMES.--Current year: Maximum discharge, 13,300 ft³/s (377 m³/s) Mar. 19 (gage height, 24.78 ft or 7.553 m); minimum, 9.8 ft³/s (0.28 m³/s) Oct. 21, 22 (gage height, 1.60 ft or 0.488 m).

Period of record: Maximum discharge, 31,400 ft³/s (889 m³/s) Mar. 8, 1935; maximum gage height, 26.41 ft (8.050 m) in gage well, 26.73 ft (8.147 m) from outside gage Feb. 24, 1961; minimum discharge, 1.7 ft³/s (0.048 m³/s) Oct. 5, 1954 (gage height, 1.02 ft or 0.311 m).

The flood in March 1902 reached a stage of 29.0 ft (8.84 m), from reports of U.S. Weather Bureau.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1929-30, 1933.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	167	642	2,780	2,430	677	4,410	4,340	1,070	103	1,700	134
2	67	259	622	2,750	3,100	701	5,060	3,920	1,090	94	1,850	122
3	60	254	582	3,040	3,420	742	5,200	3,530	1,160	90	1,320	132
4	56	207	531	3,770	3,950	775	5,200	3,050	1,290	70	671	149
5	51	211	471	4,340	3,950	822	4,760	2,550	1,710	59	412	105
6	44	220	466	4,730	4,090	821	4,050	2,040	2,370	68	276	119
7	39	264	495	5,010	3,930	1,010	3,750	2,130	2,590	108	177	108
8	34	342	500	6,110	3,510	1,090	3,500	2,730	2,290	196	134	109
9	30	327	485	6,620	2,970	1,110	3,500	2,800	2,060	187	111	91
10	26	273	672	7,560	2,380	1,050	3,370	2,770	1,680	153	92	91
11	24	230	1,190	7,750	1,930	1,860	3,080	2,340	1,070	220	82	132
12	23	200	1,240	7,090	1,540	2,060	3,050	2,110	710	433	77	297
13	21	252	1,470	6,020	1,430	2,670	2,990	2,120	553	276	79	155
14	19	396	1,430	5,020	2,280	2,890	2,580	2,020	438	434	80	149
15	17	367	2,500	4,130	2,410	2,900	2,110	1,830	397	569	222	132
16	16	333	2,560	3,290	3,070	4,690	2,790	1,590	521	696	197	94
17	15	289	2,840	2,490	3,200	6,240	5,030	1,350	497	742	139	77
18	14	362	3,520	1,910	3,440	8,350	7,790	1,190	360	628	287	56
19	12	486	4,230	1,740	3,940	12,400	9,460	1,030	264	532	467	59
20	10	504	4,610	1,550	3,590	11,900	9,320	882	230	454	259	53
21	10	507	4,990	1,570	3,200	8,780	7,690	714	381	394	169	49
22	12	507	4,750	1,840	2,520	6,430	6,080	598	652	346	129	46
23	174	491	4,610	1,870	1,960	4,950	4,950	542	411	365	105	43
24	130	474	4,150	1,780	1,620	3,980	4,090	994	354	355	94	40
25	123	641	3,520	1,700	1,370	4,180	3,700	1,220	348	320	89	38
26	122	743	3,100	1,900	1,180	3,870	3,350	1,310	314	293	75	35
27	230	747	2,720	2,240	974	4,140	3,360	1,250	242	292	67	34
28	225	704	2,380	2,420	910	4,310	3,480	1,340	172	163	59	33
29	214	679	2,030	2,300	------	4,700	4,150	1,400	135	123	52	44
30	211	656	1,950	2,080	------	4,610	4,510	1,330	113	473	49	50
31	191	------	2,970	1,850	------	4,580	------	1,170	------	1,170	84	------
TOTAL	2,290	12,092	68,226	109,250	74,194	119,288	136,360	58,170	25,472	10,406	9,603	2,796
MEAN	73.9	403	2,201	3,524	2,550	3,848	4,545	1,876	849	336	310	92.9
MAX	230	747	4,990	7,750	4,090	12,400	9,460	4,340	2,590	1,170	1,850	297
MIN	10	167	466	1,550	910	677	2,110	542	113	68	49	33
CFSM	.08	.45	2.45	3.92	2.95	4.29	5.06	2.09	.95	.37	.35	.10
IN.	.09	.50	2.83	4.53	8.07	4.94	5.65	2.41	1.06	.43	.40	.12

CAL YR 1972 TOTAL 382,924 MEAN 1,046 MAX 30,200 MIN 10 CFSM 1.16 IN 15.56
WTR YR 1973 TOTAL 628,137 MEAN 1,721 MAX 12,400 MIN 10 CFSM 1.92 IN 26.02

02482550 Pearl River near Carthage, Miss.

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw meridian, Leake County, on right bank at downstream side of bridge on State Highway 35, 2.1 miles (3.4 km) south of Carthage, 4.0 miles (6.4 km) downstream from Lobutcha Creek, and 10.8 miles (17.4 km) upstream from Tuscolameta Creek.

DRAINAGE AREA.--1,347 mi² (3,489 km²).

PERIOD OF RECORD.--September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft (96.085 m) above mean sea level.

AVERAGE DISCHARGE.--11 years, 1,545 ft³/s (43.75 m³/s), 15.58 in/yr (396 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,300 ft³/s (518 m³/s) Mar. 18 (gage height, 23.14 ft or 7.053 m); minimum, 72 ft³/s (2.04 m³/s) Oct. 20-22 (gage height, 2.46 ft or 0.750 m).

Period of record: Maximum discharge, 23,600 ft³/s (668 m³/s) Apr. 15, 1969 (gage height, 24.02 ft or 7.321 m); minimum, 31 ft³/s (0.88 m³/s) Oct. 30, 1963 (gage height, 2.36 ft or 0.719 m).

The flood in March 1902 reached a stage of about 27 ft (8¼ m); flood in 1900 reached a stage of 25.6 ft (7.80 m); flood in 1932 reached a stage of 24.3 ft (7.41 m); flood of April 11, 1938, reached a stage of 23.3 ft (7.10 m), all from information by Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft or 7.74 m (discharge, 31,900 ft³/s or 903 m³/s).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	338	943	5,030	3,470	1,230	6,360	5,850	1,560	327	1,710	178
2	195	430	894	4,880	4,570	1,150	5,780	5,780	1,410	305	1,990	248
3	169	793	838	4,890	4,540	1,200	5,760	5,570	1,550	298	1,990	258
4	151	754	778	5,360	4,700	1,260	5,900	4,970	1,710	259	1,540	273
5	139	578	719	5,960	4,910	1,350	5,950	4,190	1,760	238	967	308
6	127	478	774	6,880	4,900	1,380	5,500	3,540	1,940	234	712	324
7	116	456	870	7,630	5,000	1,760	5,480	3,370	2,220	238	554	298
8	106	532	901	9,570	4,960	1,960	5,530	4,190	2,400	279	432	252
9	99	541	882	10,300	4,540	2,020	5,130	4,290	2,320	393	364	258
10	93	506	1,020	10,400	3,960	1,960	4,810	4,150	2,120	421	317	232
11	88	466	1,970	10,300	3,260	2,540	4,500	3,890	1,920	477	280	425
12	84	403	2,200	10,000	2,740	3,260	4,160	3,560	1,400	562	289	355
13	81	412	2,470	9,210	2,320	3,960	3,980	3,370	1,040	700	425	451
14	79	693	2,570	8,020	3,000	4,110	3,830	3,270	977	917	320	377
15	76	677	3,710	6,850	3,520	4,170	3,360	2,970	791	839	350	334
16	75	600	4,700	5,690	3,760	5,970	4,120	2,560	949	843	493	301
17	74	537	5,390	4,400	4,060	12,900	7,110	2,170	965	956	440	247
18	73	519	5,510	3,450	4,280	17,900	7,790	1,850	763	1,010	598	213
19	73	805	5,660	2,880	4,570	16,300	9,540	1,600	535	850	667	193
20	73	972	6,130	2,690	4,970	15,000	10,600	1,430	544	792	682	178
21	72	951	7,550	2,620	4,740	14,300	10,900	1,230	507	730	493	150
22	78	891	7,890	3,100	4,100	11,500	9,780	1,040	785	646	389	150
23	405	798	7,460	3,370	3,320	8,990	8,190	935	994	595	338	140
24	458	710	6,730	3,430	2,700	7,200	6,930	1,590	779	596	303	130
25	338	836	6,030	3,390	2,240	7,660	6,210	1,850	675	576	265	125
26	293	1,230	5,300	3,310	1,930	7,250	5,710	1,920	525	710	231	120
27	379	1,280	4,530	3,350	1,580	6,770	5,390	1,870	569	569	206	115
28	559	1,180	3,890	3,510	1,430	6,460	5,320	2,160	493	500	185	115
29	508	1,090	3,260	3,550	------	6,460	5,420	2,200	410	530	164	198
30	424	1,010	2,970	3,350	------	6,420	5,630	2,120	357	1,250	154	195
31	383	------	4,530	3,010	------	6,740	------	1,950	------	1,550	151	------
TOTAL	6,056	21,466	109,069	170,380	103,970	191,030	184,360	91,305	34,569	19,168	18,001	[illegible],151
MEAN	195	716	3,518	5,496	3,713	6,162	6,145	2,945	1,156	618	581	238
MAX	559	1,280	7,890	10,400	5,000	17,900	10,900	5,850	2,400	1,550	1,990	451
MIN	72	338	719	2,620	1,430	1,150	3,360	935	357	234	151	115
CFSM	.14	.53	2.61	4.08	2.76	4.57	4.56	2.19	.85	.46	.43	.18
IN.	.17	.59	3.01	4.71	2.87	5.28	5.09	2.52	.95	.53	.50	.20

CAL YR 1972 TOTAL 605,962 MEAN 1,655 MAX 20,800 MIN 72 CFSM 1.23 IN 16.73
WTR YR 1973 TOTAL 956,625 MEAN 2,621 MAX 17,900 MIN 72 CFSM 1.95 IN 26.42

02483000 Tuscolameta Creek at Walnut Grove, Miss.

LOCATION.--Lat 32°35', long 89°28', in NW¼ sec.34, T.9 N., R.8 E., Choctaw meridian, Leake County, on right bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mile (0.6 km) southwest of Walnut Grove, 0.6 mile (1.0 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 miles (12.1 km) upstream from junction of north and south drainage canals, and 15.5 miles (24.9 km) upstream from mouth.

DRAINAGE AREA.--411 mi^2 (1,064 km^2), combined drainage area for all channels.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October to December 1938, published in WSP 1304.

GAGE.--Water-stage recorder. Prior to June 18, 1939, nonrecording gage and June 18, 1939, to July 13, 1953, water-stage recorder and nonrecording gage, at site 0.2 mile (0.3 km) upstream at same datum. Water-stage recorder, on south canal at bridge on State Highway 35, 1 mile south of north canal gage. Prior to Nov. 24, 1943, nonrecording gage and Nov. 24, 1943, to Oct. 21, 1959, water-stage recorder, on south canal at site 1,800 ft (549 m) downstream, at same datum. Prior to Oct. 1, 1971, at datum 10.00 ft (3.048 m) higher. Datum of gages is 322.70 ft (98.359 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--35 years, 476 ft^3/s (13.48 m^3/s), 15.73 in/yr (400 mm/yr).

EXTREMES.--Current year: Maximum discharge, 19,300 ft^3/s (547 m^3/s) Apr. 17 (gage height, 29.25 ft or 8.915 m); maximum gage height, south canal, 20.12 ft (6.133 m) Apr. 17; minimum daily discharge, 6.3 ft^3/s (0.18 m^3/s) Sept. 21.

Period of record: Maximum discharge, 34,600 ft^3/s (980 m^3/s) Jan. 7, 1950 (gage height, 23.00 ft or 7.010 m, north canal, site and datum then in use); maximum gage height, south canal, 21.53 ft (6.562 m) Jan. 7, 1950, site and datum then in use; minimum discharge, 2.4 ft^3/s (0.068 m^3/s) Oct. 2, 1954.

Prior to canalization, creek reached a stage of 24.5 ft (7.47 m), site and datum then in use, from floodmark, sometime between 1920 and 1925.

REMARKS.--Records poor. Discharge computed by combining the flow of individually rated channels.

REVISIONS (WATER YEARS).--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	34	77	1,720	1,940	159	3,620	353	157	48	376	35
2	30	64	72	1,500	3,740	228	5,760	331	172	40	241	36
3	22	104	63	1,200	5,490	306	4,470	781	197	35	121	91
4	15	82	59	1,530	5,090	512	1,170	902	110	42	70	56
5	37	60	121	1,410	2,020	656	451	437	84	38	47	78
6	10	47	219	1,540	543	637	331	396	329	116	38	39
7	9.9	52	314	1,750	385	998	1,800	1,070	187	200	33	134
8	12	113	245	3,000	400	962	2,920	2,730	274	105	41	104
9	11	114	162	3,250	983	599	3,330	3,390	363	77	47	51
10	9.8	86	316	3,060	905	771	2,070	3,570	229	50	40	40
11	9.3	62	503	1,450	563	1,940	599	1,440	94	50	33	69
12	7.1	47	459	563	379	2,730	352	454	174	47	28	53
13	7.9	53	409	369	738	2,720	268	554	133	74	37	54
14	7.9	122	306	297	2,750	1,250	211	456	104	162	55	123
15	7.3	151	1,380	245	3,460	515	172	294	77	346	225	123
16	19	114	1,400	211	3,930	2,480	4,060	193	124	228	220	90
17	16	75	1,100	189	2,960	3,880	15,200	142	111	76	195	58
18	12	60	623	171	951	4,330	12,600	124	90	53	675	48
19	9.4	52	345	179	421	3,020	8,560	110	70	58	812	39
20	6.5	63	686	183	333	850	6,910	103	59	77	458	33
21	6.3	65	2,560	424	280	414	4,700	126	93	59	172	29
22	17	61	3,380	1,370	240	309	1,360	105	214	47	72	26
23	138	56	3,700	1,340	219	245	462	99	360	41	50	24
24	172	51	2,290	799	207	911	356	651	324	39	33	22
25	104	87	688	397	198	3,660	1,890	919	215	79	27	21
26	54	185	344	310	183	4,740	3,010	797	114	112	24	25
27	60	187	237	384	168	5,710	3,970	475	67	59	81	22
28	120	129	186	378	156	3,460	3,920	729	46	42	40	23
29	126	104	160	330	------	799	1,900	732	40	33	29	28
30	76	87	248	265	------	502	566	336	57	490	27	153
31	50	------	1,500	219	------	2,720	------	190	------	722	30	------
TOTAL	1,222.4	2,567	24,152	30,033	39,332	53,013	96,988	22,979	4,669	3,665	4,377	1,797
MEAN	39.4	85.6	779	969	1,405	1,710	3,233	741	156	118	141	59.9
MAX	172	187	3,700	3,250	5,490	5,710	15,200	3,570	363	722	812	153
MIN	6.3	34	59	171	156	159	172	99	40	33	24	21
CFSM	.10	.21	1.90	2.36	3.42	4.16	7.87	1.80	.39	.29	.34	.15
IN.	.11	.23	2.19	2.72	3.56	4.80	8.78	2.08	.42	.33	.40	.16

CAL YR 1972 TOTAL 150,103.4 MEAN 410 MAX 7,300 MIN 3.2 CFSM 1.00 IN 13.59
WTR YR 1973 TOTAL 284,794.4 MEAN 780 MAX 15,200 MIN 6.3 CFSM 1.90 IN 25.78

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
02-03	1800	26.04	6,050	04-02	1600	26.17	6,320
03-18	1900	25.50	4,740	04-17	1600	29.25	19,300
03-27	1000	26.03	5,880	04-27	2200	25.27	4,220

02484000 Yockanookany River near Kosciusko, Miss.

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw meridian, Attala County, on left bank at downstream side of bridge on State Highway 35, 2 miles (3 km) south of Kosciusko.

DRAINAGE AREA.--314 mi² (813 km²).

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

GAGE.--Water-stage recorder. Datum of gage is 374.34 ft (114.099 m) above mean sea level (levels by Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 402 ft³/s (11.38 m³/s), 17.39 in/yr (442 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,000 ft³/s (510 m³/s) Mar. 17 (gage height, 17.97 ft or 5.477 m); minimum, 15 ft³/s (0.42 m³/s) Sept. 26, 27 (gage height, 5.25 ft or 1.600 m).

Period of record: Maximum discharge, 19,300 ft³/s (547 m³/s) Mar. 29, 1951 (gage height, 18.72 ft or 5.706 m); minimum, 2.3 ft³/s (0.07 m³/s) Aug. 20-24, 1943; minimum gage height, 0.10 ft (0.030 m) Sept. 3-6, 1939.

Flood in December 1932 reached a stage of about 17 ft (5.2 m), from information by Corps of Engineers.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1946.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	65	182	1,980	958	140	565	333	170	20	540	25
2	59	99	149	1,660	2,120	163	372	329	159	22	229	24
3	38	223	129	1,820	1,900	211	246	490	100	19	83	33
4	34	162	142	3,030	1,590	259	214	591	75	20	49	31
5	47	103	295	2,970	749	656	192	371	60	23	35	27
6	47	72	257	3,930	382	633	175	220	69	34	29	43
7	36	141	218	3,780	271	986	693	478	60	153	24	40
8	30	440	174	4,710	296	1,480	1,980	1,750	50	215	22	36
9	27	367	188	4,410	483	1,280	1,730	1,640	42	233	21	30
10	25	166	565	3,970	417	628	1,180	1,050	39	96	19	26
11	24	108	1,920	2,560	264	1,910	527	414	55	98	18	25
12	23	85	1,910	1,130	215	2,700	270	340	94	71	17	22
13	22	103	1,510	550	287	2,490	208	849	127	58	21	22
14	22	193	1,000	352	2,470	2,030	179	824	375	129	22	26
15	22	167	2,990	283	2,930	938	161	330	287	90	22	27
16	21	122	3,580	245	2,920	6,270	346	158	111	57	21	26
17	21	96	3,460	215	2,410	15,100	1,230	124	67	43	30	24
18	21	195	3,370	235	1,070	12,100	1,910	100	49	255	73	22
19	21	533	1,710	1,580	483	6,420	2,570	85	39	207	48	21
20	23	666	883	1,990	304	2,710	2,290	125	33	70	34	20
21	23	385	1,410	1,740	231	1,000	1,980	134	29	43	29	19
22	45	189	1,620	2,250	203	516	773	103	56	29	26	18
23	219	139	1,120	2,160	192	337	354	79	50	22	23	18
24	204	116	661	2,180	180	466	346	97	29	17	23	17
25	184	268	366	1,200	168	3,330	1,180	58	24	23	21	16
26	58	568	246	633	160	3,560	1,960	192	22	22	19	16
27	259	467	203	988	155	3,860	2,320	159	20	155	27	17
28	320	287	180	857	148	2,680	2,280	441	19	173	29	49
29	158	323	167	625	------	1,090	1,690	452	18	74	22	156
30	93	243	321	399	------	602	648	223	19	254	21	507
31	76	------	1,790	277	------	567	------	102	------	457	29	------
TOTAL	2,237	7,091	32,716	54,709	23,556	77,112	30,259	12,691	2,346	3,192	1,623	1,393
MEAN	72.2	236	1,055	1,765	845	2,487	1,009	409	78.2	103	52.4	46.4
MAX	320	666	3,580	4,710	2,930	15,100	2,570	1,750	375	457	540	507
MIN	21	65	129	215	148	140	161	79	18	17	17	16
CFSM	.23	.75	3.36	5.62	2.69	7.92	3.21	1.30	.25	.33	.17	.15
IN.	.27	.84	3.88	6.48	2.80	9.14	3.58	1.50	.28	.38	.19	.17

CAL YR 1972 TOTAL 167,661 MEAN 458 MAX 7,310 MIN 13 CFSM 1.46 IN 19.85
WTR YR 1973 TOTAL 249,015 MEAN 682 MAX 15,100 MIN 16 CFSM 2.17 IN 29.50

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-15	2400	14.36	4,080	03-11	2300	13.82	3,100
01-08	1400	14.77	4,900	03-17	2000	17.97	18,000
02-14	2300	13.90	3,250	03-25	1900	13.95	3,320

02484500 Yockanookany River near Ofahoma, Miss.

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw meridian, Leake County, near center of main span on downstream side of bridge on State Highway 16, 1.5 miles (2.4 km) east of Ofahoma, 3 miles (5 km) upstream from mouth,and 8.5 miles (13.7 km) southwest of Carthage.

DRAINAGE AREA.--484 mi² (1,254 km²).

PERIOD OF RECORD.--October 1943 to current year. Prior to October 1947, published as Yokahockany River near Ofahoma.

GAGE.--Water-stage recorder. Datum of gage is 311.15 ft (94.839 m) above mean sea level (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--30 years, 637 ft³/s (18.04 m³/s), 17.87 in/yr (454 mm/yr).

EXTREMES.--Current year: Maximum discharge, 14.900 ft³/s (422 m³/s) Mar. 19 (gage height, 18.96 ft or 5,780 m); minimum, 18 ft³/s (0.51 m³/s) Sept. 26, 27 (gage height, 1.86 ft or 0.567 m).
Period of record: Maximum discharge, 20,700 ft³/s (586 m³/s) Mar. 31, 1951 (gage height, 20.28 ft or 6.181 m); minimum, 4.9 ft³/s (0.14 m³/s) Aug. 20, Sept. 11, 1954; minimum gage height, 1.86 ft (0.567 m) Sept. 26, 27, 1973.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1204: 1948. WSP 1504: 1949.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	184	531	1,550	1,210	242	1,710	2,590	460	34	214	53
2	110	160	442	1,420	1,760	235	1,210	1,960	244	33	301	44
3	103	227	324	2,160	1,560	239	1,000	1,550	274	32	375	53
4	75	215	236	3,540	1,730	287	906	1,100	294	33	338	49
5	56	263	221	3,400	2,180	384	701	893	197	36	160	67
6	50	232	279	4,130	2,160	430	474	907	141	41	81	53
7	48	173	396	5,340	1,790	669	814	1,000	120	47	59	50
8	58	162	412	7,500	1,280	818	1,270	1,730	266	43	48	52
9	52	186	378	7,580	903	917	1,180	1,550	134	121	45	58
10	44	320	470	6,560	585	1,060	1,370	1,560	99	177	43	55
11	37	400	1,100	5,860	539	2,480	1,710	1,830	88	247	43	148
12	34	328	1,270	5,230	539	4,640	1,700	1,780	93	190	40	70
13	31	213	1,380	3,970	581	3,770	1,360	1,570	107	123	36	40
14	30	283	1,710	2,710	1,170	3,500	910	1,040	163	104	40	32
15	30	260	3,510	1,760	1,580	3,250	542	731	190	177	38	29
16	30	283	5,720	1,130	2,320	5,450	754	809	322	220	63	26
17	30	245	4,600	754	3,460	10,800	1,980	907	340	139	52	28
18	30	208	4,340	561	3,480	12,000	2,080	474	191	115	59	28
19	30	330	4,060	779	3,360	14,400	2,530	248	118	78	104	26
20	29	488	4,300	712	2,510	10,700	3,060	209	86	191	113	24
21	29	611	5,020	830	1,540	6,690	3,540	208	72	210	89	22
22	30	683	3,760	1,730	998	3,970	3,240	203	59	118	66	21
23	105	683	2,490	2,460	527	2,460	2,890	202	52	66	53	20
24	157	526	1,960	2,460	454	1,610	2,200	519	57	50	44	19
25	246	456	1,790	2,530	384	3,160	1,740	758	67	42	40	18
26	260	510	1,530	2,560	336	3,260	1,730	551	50	39	40	18
27	284	496	1,100	2,450	292	3,510	2,250	322	42	38	40	18
28	330	568	749	1,790	263	4,030	2,350	758	39	40	40	20
29	375	632	490	1,270	------	4,170	2,740	596	34	121	44	21
30	422	616	522	1,100	------	3,610	2,890	535	33	181	176	53
31	344	------	1,560	1,030	------	2,570	------	574	------	137	71	------
TOTAL	3,545	10,941	56,650	86,856	40,191	115,311	52,731	29,454	4,422	3,213	2,955	1,194
MEAN	114	365	1,827	2,802	1,435	3,720	1,758	950	147	104	95.3	39.8
MAX	422	683	5,720	7,580	3,480	14,400	3,540	2,590	460	247	376	148
MIN	29	160	221	561	263	235	474	202	33	32	36	18
CFSM	.24	.75	3.77	5.79	2.96	7.69	3.63	1.96	.30	.21	.20	.08
IN.	.27	.84	4.35	6.68	3.09	8.86	4.05	2.26	.34	.25	.23	.09

CAL YR 1972 TOTAL 259,053 MEAN 708 MAX 5,430 MIN 13 CFSM 1.46 IN 19.91
WTR YR 1973 TOTAL 407,473 MEAN 1,116 MAX 14,400 MIN 18 CFSM 2.31 IN 31.32

PEARL RIVER BASIN

02486000 Pearl River at Jackson, Miss.

LOCATION.--Lat 32°17'20", long 90°10'45", in NE¼SE¼ sec.10, T.5 N., R.1 E., Choctaw meridian, Rankin County, on left bank at downstream side of Woodrow Wilson Bridge at eastern city limits of Jackson, 0.2 mile (0.3 km) upstream from Illinois Central Railroad bridge, 0.2 mile (0.3 km) upstream from Town Creek, 4.5 miles (7.2 km) upstream from Richland Creek, and at mile 287.6 (462.7 km).

DRAINAGE AREA.--3,100 mi² (8,030 km²), approximately.

PERIOD OF RECORD.--June 1901 to December 1913 (prior to October 1901 and for 1913, gage heights only), August 1928 to current year. Gage-height records collected at same site since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 234.90 ft (71.598 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 31, 1913; and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage at same site and datum. Since Oct. 1, 1962, auxiliary water-stage recorder and concrete control at Jackson waterworks pumping plant, 7 miles (11 km) upstream. Datum of auxiliary gage is 239.40 ft (72.969 m) above mean sea level.

AVERAGE DISCHARGE.--56 years (1901-12, 1928-73), 3,780 ft³/s (107.0 m³/s), 16.56 in/yr (421 mm/yr).

EXTREMES.--Current year: Maximum discharge, 33,400 ft³/s (946 m³/s) Apr. 19 (gage height, 32.99 ft or 10.055 m) at Woodrow Wilson Bridge); maximum gage height at waterworks, 30.15 ft or 9.190 m Apr. 19; minimum daily discharge, 217 ft³/s (6.15 m³/s).

Period of record: Maximum discharge, 85,000 ft³/s (2,410 m³/s) Mar. 31, 1902 (gage height, 37.5 ft or 11.43 m) from rating curve extended above 57,000 ft³/s (1,610 m³/s); minimum daily discharge, 45 ft³/s (1.27 m³/s) Oct. 5, 1956, Sept. 18, 1963, regulated; minimum daily unregulated, 78 ft³/s (2.21 m³/s) Oct. 11, 1954; minimum unregulated gage height, 0.20 ft (0.061 m) Nov. 4, 5, 1911.

According to information by local residents and from newspaper records, the flood of Apr. 25, 1874, reached a stage of 37 ft (11.3 m); and the flood of Dec. 5, 1880, reached a stage of 36¼ ft (11¼ m). The flood of Apr. 21, 1900, reached a stage of 36.7 ft (11.19 m), according to the Alabama and Vicksburg Railroad plans confirmed by local residents.

REMARKS.--Records good. About 35 ft³/s (0.99 m³/s) is diverted upstream from station for municipal water supply for city of Jackson, most of which is returned to river and is included in discharge records. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 19 miles (31 km) upstream.

REVISIONS (WATER YEARS).--WSP 662: Drainage area. WSP 1504: 1903, 1909.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	288	276	2,260	10,500	9,240	2,620	15,000	11,900	3,980	327	2,300	353
2	251	349	2,150	11,400	10,900	2,260	13,600	11,800	3,760	327	2,650	570
3	227	293	2,120	12,700	11,900	2,010	12,900	11,900	3,510	619	2,990	422
4	217	285	2,130	14,200	12,900	2,770	12,500	11,500	2,280	553	2,990	525
5	279	282	2,190	14,500	13,100	2,750	12,000	9,360	1,340	458	2,050	773
6	279	377	2,380	15,200	13,200	2,630	11,500	7,550	1,270	422	2,730	1,410
7	262	878	2,270	15,500	13,100	3,760	11,800	8,150	1,240	372	1,260	1,810
8	246	1,690	2,150	17,600	12,200	4,280	12,300	11,100	1,380	358	745	1,250
9	237	1,740	2,210	19,400	11,500	6,340	12,300	11,600	1,940	349	464	1,200
10	265	1,550	2,800	20,600	9,390	4,660	12,000	11,700	1,940	338	431	1,070
11	268	1,080	3,560	22,300	7,560	6,370	11,900	11,500	1,900	330	488	773
12	268	1,070	3,210	23,400	6,790	6,710	11,500	11,400	1,870	332	455	759
13	268	1,540	4,650	22,100	6,430	7,700	10,300	11,300	1,840	310	434	819
14	268	2,350	6,010	18,800	7,280	9,450	8,150	10,400	1,830	316	440	770
15	268	2,090	9,850	16,800	8,280	10,200	6,940	7,800	1,810	318	419	756
16	290	1,590	11,300	15,100	9,700	11,300	10,600	5,310	1,260	313	413	749
17	268	1,110	11,600	14,000	10,400	13,600	15,800	4,070	1,150	485	519	765
18	268	1,090	11,600	13,200	10,700	14,800	26,700	3,740	1,100	796	819	762
19	274	1,110	11,700	10,800	10,900	17,100	32,800	3,410	995	1,190	825	735
20	279	1,090	12,500	7,390	10,700	22,600	30,100	3,320	591	1,230	997	731
21	271	1,080	16,500	5,770	9,740	26,600	27,300	3,120	1,010	1,220	1,810	714
22	507	1,310	19,100	6,150	8,070	29,600	26,200	2,110	504	1,170	1,490	393
23	553	1,950	19,200	6,380	7,900	29,600	25,100	1,700	434	1,220	836	327
24	293	1,990	18,900	7,570	6,930	27,200	21,400	2,450	377	1,190	759	324
25	279	2,730	18,400	9,290	6,200	29,000	19,800	2,570	358	1,200	437	316
26	279	2,410	18,000	9,990	4,330	26,100	18,100	3,470	383	1,190	383	313
27	360	2,310	17,100	8,130	2,980	22,800	15,700	4,440	941	1,100	380	316
28	288	2,330	13,800	6,780	2,740	21,000	13,900	4,640	392	899	372	353
29	285	2,340	10,700	6,260	------	19,700	12,900	4,630	335	1,050	401	514
30	279	2,300	9,240	6,040	------	16,800	12,300	4,860	332	808	380	425
31	276	------	9,760	6,210	------	16,300	------	4,420	------	1,070	366	------
TOTAL	8,940	42,590	279,340	394,060	254,560	418,610	483,390	217,210	41,733	21,846	33,133	20,977
MEAN	288	1,420	9,011	12,710	9,095	13,500	16,110	7,007	1,391	705	1,069	699
MAX	553	2,730	19,200	23,400	13,200	29,600	32,800	11,900	3,980	1,230	2,990	1,810
MIN	217	276	2,120	5,770	2,740	2,010	6,940	1,700	332	310	366	313
CFSM	.09	.46	2.91	4.10	2.93	4.35	5.20	2.26	.45	.23	.34	.23
IN.	.11	.51	3.35	4.73	3.06	5.02	5.80	2.61	.50	.26	.40	.25

CAL YR 1972 TOTAL 1,360,333 MEAN 3,717 MAX 31,500 MIN 88 CFSM 1.20 IN 16.32
WTR YR 1973 TOTAL 2,216,489 MEAN 6,073 MAX 32,800 MIN 217 CFSM 1.96 IN 26.60

02488500 Pearl River near Monticello, Miss.

LOCATION.--Lat 31°33', long 90°05', in SW¼ sec.23, T.7 N., R.21 W., St. Stephens meridian, Lawrence County, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mile (1.6 km) east of Monticello, 2.5 miles (4.0 km) upstream from Halls Creek, 3 miles (5 km) upstream from Silver Creek, and at mile 190.8 (307.0 km).

DRAINAGE AREA.--5,040 mi² (13,050 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year. Gage-height records collected in vicinity since 1924, are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft (48.360 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage; Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder; and Jan. 11, 1949, to Oct. 16, 1952, nonrecording gage, all at same site and datum.

AVERAGE DISCHARGE.--35 years, 6,091 ft³/s (172.5 m³/s), 16.41 in/yr (417 mm/yr).

EXTREMES.--Current year: Maximum discharge, 50,200 ft³/s (1,420 m³/s) Mar. 26 (gage height, 27.74 ft or 8.455 m); minimum, 444 ft³/s (12.6 m³/s) Oct. 11, 12 (gage height, 3.86 ft or 1.177 m).

Period of record: Maximum discharge, 63,500 ft³/s (1,800 m³/s) Dec. 25, 1961 (gage height, 29.64 ft or 9.034 m); minimum, 269 ft³/s (7.62 m³/s) Oct. 24, 1963.

Flood in April 1902 reached a stage of about 33 ft (10 m), from reports of U.S. Weather Bureau; discharge, about 100,000 ft³/s (2,830 m³/s), from rating curve extended above 70,000 ft³/s or 1,980 m³/s. A discharge of 69,900 ft³/s (1,980 m³/s) was measured Apr. 8, 1938, by Corps of Engineers (gage height, 30.15 ft or 9.190 m, from floodmark).

REMARKS.--Records good. Records of chemical analysis for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1939, 1949.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	790	643	2,770	21,900	8,570	4,880	41,000	28,500	5,510	1,320	1,320	951
2	832	648	2,710	20,900	15,400	4,940	37,100	25,000	5,090	1,270	1,650	926
3	760	844	2,680	19,200	18,700	4,750	34,200	22,500	5,290	1,250	2,870	974
4	626	916	2,670	19,800	19,200	5,470	31,100	21,200	4,920	1,300	3,370	1,630
5	577	862	2,810	19,600	18,500	8,490	27,900	19,500	4,500	2,000	3,480	1,420
6	500	778	5,320	19,100	17,700	9,430	24,500	17,600	3,560	3,770	3,470	1,730
7	491	706	5,210	19,100	16,400	17,500	23,600	16,400	3,000	2,870	3,460	2,160
8	515	665	4,060	20,700	15,500	15,500	24,900	22,700	4,290	2,140	3,200	2,320
9	525	1,010	3,470	22,900	18,400	9,950	25,200	26,500	3,620	1,510	2,140	2,350
10	476	1,880	3,110	23,900	19,500	8,310	24,300	26,100	3,000	1,290	1,510	1,920
11	457	2,080	3,020	24,100	18,500	13,500	22,500	23,800	3,050	1,200	1,190	1,710
12	467	1,880	4,240	23,900	16,100	19,700	20,200	20,900	2,980	1,150	1,060	1,720
13	496	1,690	4,430	23,200	12,900	19,400	17,500	17,900	3,010	1,120	1,180	2,120
14	476	2,020	5,060	22,900	20,300	17,000	15,700	15,500	3,350	1,050	1,400	2,630
15	476	2,710	6,710	22,700	23,900	14,100	14,300	14,200	3,270	1,020	1,310	1,950
16	486	2,960	10,500	22,600	22,400	13,900	12,700	13,300	3,100	1,000	1,670	1,590
17	481	2,610	11,500	22,400	18,900	19,900	16,400	11,300	3,010	990	2,760	1,360
18	462	2,090	11,400	21,700	15,500	22,300	28,200	7,890	2,560	992	3,420	1,260
19	457	1,730	11,400	20,600	13,500	22,400	33,900	6,110	2,300	1,200	2,790	1,190
20	476	1,580	13,100	19,100	12,500	22,000	34,100	5,450	4,320	1,470	2,030	1,140
21	491	1,560	25,500	18,300	12,100	21,400	34,000	5,110	5,160	1,610	1,630	1,120
22	555	1,510	29,700	17,000	11,900	20,700	34,900	4,870	2,570	1,650	1,500	1,110
23	1,100	1,470	29,700	13,500	11,400	20,400	35,700	4,370	2,740	1,620	2,090	1,090
24	1,300	1,580	27,900	10,400	10,400	22,700	35,100	5,890	2,070	1,590	2,020	976
25	1,370	2,320	26,300	9,060	9,420	44,300	38,200	8,290	1,690	1,620	1,480	832
26	946	3,460	24,600	9,180	8,540	49,400	42,900	6,670	1,510	1,800	1,250	882
27	916	3,780	23,100	9,930	7,420	46,700	41,500	5,400	1,420	2,190	1,230	799
28	1,020	3,230	21,600	10,500	5,920	44,500	38,900	6,090	1,390	1,810	1,100	931
29	910	2,940	20,400	10,100	------	42,400	35,800	7,240	1,650	1,610	970	1,150
30	856	2,840	20,200	8,980	------	39,600	32,200	6,710	1,540	1,930	921	1,320
31	712	------	21,700	7,940	------	42,900	------	6,300	------	1,550	949	------
TOTAL	21,002	54,992	386,870	555,190	419,470	657,420	878,600	429,390	97,340	48,792	60,510	43,011
MEAN	677	1,833	12,480	17,910	14,980	21,530	29,290	13,850	3,245	1,574	1,952	1,434
MAX	1,370	3,780	29,700	24,100	23,900	49,400	42,900	28,500	6,510	3,770	3,480	2,630
MIN	457	643	2,670	7,940	5,920	4,750	12,700	4,370	1,390	992	921	799
CFSM	.13	.36	2.48	3.55	2.97	4.27	5.81	2.75	.64	.31	.39	.28
IN.	.16	.41	2.86	4.10	3.10	4.93	6.48	3.17	.72	.36	.45	.32

CAL YR 1972 TOTAL 2,132,992 MEAN 5,828 MAX 33,500 MIN 351 CFSM 1.16 IN 15.74
WTR YR 1973 TOTAL 3,662,577 MEAN 10,030 MAX 49,400 MIN 457 CFSM 1.99 IN 27.03

02488700 Whitesand Creek near Oak Vale, Miss.

LOCATION.--Lat 31°28', long 89°58', in SW¼ sec.24, T.6 N., R.20 W., St. Stephens meridian, Lawrence County, near right bank on downstream side of bridge on State Highway 43, 1.2 miles (1.9 km) upstream from Illinois Central Railroad bridge, 2.3 miles (3.7 km) north of Oak Vale, and 3.7 miles (6.0 km) upstream from mouth.

DRAINAGE AREA.--131 mi² (339 km²).

PERIOD OF RECORD.--September 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft (55.535 m) above mean sea level (from information by Mississippi State Highway Department).

AVERAGE DISCHARGE.--8 years, 162 ft³/s (4.588 m³/s), 16.79 in/yr (426 mm/yr).

EXTREMES.--Current year: Maximum discharge, 11,600 ft³/s (329 m³/s) Mar. 25 (gage height, 15.40 ft or 4.694 m); minimum, 68 ft³/s (1.93 m³/s) Oct. 19 (gage height, 3.38 ft or 1.030 m).

Period of record: Maximum discharge, 11,600 ft³/s (329 m³/s) Mar. 25, 1973 (gage height, 15.40 ft or 4.694 m); minimum, 59 ft³/s (1.67 m³/s) Sept. 12-16, 1972.

Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft (5.215 m) from floodmark (discharge, 15,900 ft³/s or 450 m³/s). Maximum stage known since at least 1879, 20½ ft (6¼ m) in April 1900, and flood in January 1925 reached a stage of 17.3 ft or 5.27 m (from information by local residents).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	90	95	498	167	129	1,630	236	315	125	104	105
2	79	90	93	334	276	143	481	236	231	123	114	105
3	77	91	91	470	220	261	294	342	183	123	109	105
4	77	88	101	498	163	307	261	275	159	123	105	109
5	75	87	141	315	145	426	226	233	148	123	104	107
6	75	85	950	268	139	347	204	218	145	134	105	109
7	75	87	780	289	139	1,770	586	313	144	185	109	114
8	75	91	263	490	198	1,920	696	901	168	164	114	112
9	75	90	180	422	502	531	435	1,030	165	132	119	108
10	74	88	145	259	506	296	254	369	149	120	112	106
11	72	85	135	211	256	499	213	216	140	116	105	125
12	72	85	125	181	194	604	200	195	138	112	106	124
13	72	90	118	163	211	417	186	179	138	111	103	176
14	72	108	117	151	1,300	257	178	170	136	110	104	159
15	72	104	119	143	1,550	214	172	150	134	109	111	128
16	72	95	141	139	570	522	170	154	134	108	112	110
17	72	90	127	135	268	1,200	268	159	132	108	115	103
18	72	90	114	133	213	656	1,590	146	132	108	129	100
19	74	105	110	139	186	285	3,030	144	130	108	127	98
20	74	110	478	153	169	272	842	142	128	108	109	97
21	74	101	3,250	190	157	261	339	142	142	109	103	97
22	131	93	2,210	266	149	287	255	140	148	108	100	99
23	331	90	805	206	143	183	217	138	136	107	98	99
24	317	90	299	159	139	1,510	221	559	132	110	98	98
25	131	145	215	143	139	8,390	695	595	127	112	98	99
26	103	192	179	141	137	2,130	1,260	462	128	111	99	98
27	103	133	159	143	133	643	944	346	125	112	99	98
28	112	106	151	143	131	366	469	294	127	152	99	108
29	103	99	149	141	------	327	302	231	125	118	105	111
30	95	96	147	139	------	300	256	176	125	112	115	111
31	91	------	358	137	------	696	------	160	------	108	109	------
TOTAL	3,078	2,996	12,345	7,199	8,692	26,159	16,794	9,022	4,456	3,719	3,340	3,317
MEAN	99.3	99.9	398	232	310	844	560	291	149	120	108	111
MAX	331	192	3,250	498	1,550	8,390	3,030	1,030	315	185	129	176
MIN	72	85	91	133	131	129	170	138	125	107	98	97
CFSM	.76	.76	3.04	1.77	2.37	6.44	4.27	2.22	1.14	.92	.82	.85
IN.	.87	.85	3.51	2.04	2.47	7.43	4.77	2.56	1.27	1.06	.95	.94

CAL YR 1972 TOTAL 60,083 MEAN 164 MAX 3,250 MIN 72 CFSM 1.25 IN 17.06
WTR YR 1973 TOTAL 101,117 MEAN 277 MAX 8,890 MIN 72 CFSM 2.11 IN 28.71

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1230	10.00	3,900	03-25	1315	15.40	11,600
03-08	0145	9.07	3,030	04-19	0545	10.27	4,200

02489500 Pearl River near Bogalusa, La.

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs. 17 and 18, T.3 S., R.14 E., Washington Parish, near right bank on downstream side of bridge on State Highway 10, 2.0 miles (3.2 km) east of Bogalusa, and 2.0 miles (3.2 km) upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,630 mi² (17,170 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft (16.764 m) above mean sea level (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 8,825 ft³/s (249.9 m³/s), 18.08 in/yr (459 mm/yr).

EXTREMES.--Current year: Maximum discharge, 58,000 ft³/s (1,640 m³/s) Mar. 30 (gage height, 20.47 ft or 6.239 m); minimum, 1,740 ft³/s (49.3 m³/s) Oct. 21 (gage height, 5.67 ft or 1.728 m).

Period of record: Maximum discharge, 88,200 ft³/s (2,500 m³/s) Feb. 23, 1961 (gage height, 21.70 ft or 6.614 m); minimum, 1,020 ft³/s (28.9 m³/s) Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft (1.475 m) Oct. 30, 31, 1963.

Flood of Apr. 11, 1938, reached a stage of 21.0 ft or 6.40 m.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,040	2,380	4,110	35,200	12,400	10,300	55,800	48,700	10,100	3,420	3,690	2,800
2	2,040	2,280	3,980	34,600	11,400	8,520	54,500	47,400	10,700	3,440	3,940	2,770
3	2,090	2,210	3,860	34,100	12,500	7,370	53,100	45,700	10,400	3,300	4,370	2,790
4	2,090	2,160	3,780	34,100	16,000	7,600	52,400	43,300	9,470	3,190	3,810	2,920
5	2,110	2,160	3,880	33,400	18,700	8,700	51,000	40,600	8,540	3,190	3,930	3,170
6	2,040	2,220	5,250	32,400	20,800	10,100	48,500	37,500	8,560	3,700	4,310	3,740
7	1,960	2,250	10,700	30,700	22,300	11,900	49,200	34,600	8,930	4,410	4,630	4,150
8	1,910	2,240	13,400	30,400	22,800	14,600	48,300	33,000	7,850	5,410	4,680	3,980
9	1,860	2,220	10,200	30,200	23,100	18,800	45,900	32,200	7,160	5,300	4,630	3,980
10	1,840	2,180	7,280	30,400	23,800	22,300	42,500	32,000	7,100	4,500	4,470	3,920
11	1,840	2,170	5,720	30,700	25,200	19,900	39,600	31,800	6,430	3,810	3,940	4,070
12	1,820	2,490	4,970	31,300	26,700	16,800	37,700	33,000	5,560	3,440	3,630	3,930
13	1,790	2,930	4,730	32,000	27,600	17,800	36,100	34,100	5,390	3,230	3,430	4,190
14	1,760	3,550	5,250	32,500	28,100	20,300	34,300	33,900	5,410	3,100	3,140	5,700
15	1,760	3,960	5,800	32,700	27,400	23,200	31,300	31,800	5,850	3,050	3,160	6,220
16	1,760	3,680	6,500	32,400	27,300	24,300	27,700	27,600	5,850	3,030	3,270	5,670
17	1,750	3,530	8,300	31,700	29,200	23,500	29,000	22,400	5,960	2,930	3,650	4,470
18	1,760	3,670	11,100	31,200	31,000	23,800	40,800	19,200	5,520	2,870	3,720	3,820
19	1,760	3,830	12,800	30,700	31,500	25,100	46,300	16,900	5,310	2,820	4,180	3,460
20	1,750	3,890	13,400	30,400	28,800	27,300	44,000	13,600	4,830	2,770	4,530	3,250
21	1,740	3,650	17,300	30,900	23,000	28,800	44,400	12,400	4,490	2,810	4,310	3,110
22	1,760	3,280	27,300	30,900	19,000	29,900	44,400	8,840	5,520	3,110	3,760	3,020
23	1,990	3,060	33,700	30,100	17,300	30,100	44,600	8,080	8,880	3,390	3,420	2,960
24	1,990	2,960	36,900	27,800	16,400	31,000	44,200	7,850	6,560	3,460	3,240	2,930
25	2,890	3,130	38,400	23,400	15,700	37,500	45,700	8,430	5,310	3,460	3,340	2,880
26	2,810	3,950	39,200	17,300	14,600	46,300	45,900	11,400	4,450	3,540	3,480	2,820
27	2,840	4,450	39,200	14,800	13,200	46,100	46,800	13,800	3,940	3,630	3,320	2,700
28	2,970	4,510	38,400	13,500	11,800	50,100	47,400	12,500	3,710	3,820	3,170	2,620
29	2,860	4,590	36,700	13,600	-------	54,700	48,700	10,100	3,540	4,200	3,120	2,590
30	2,660	4,350	35,200	13,800	-------	57,000	49,400	9,500	3,430	4,100	3,090	2,850
31	2,500	-------	36,500	13,500	-------	57,300	-------	10,100	-------	3,800	2,940	-------
TOTAL	64,740	93,900	523,860	870,700	597,600	810,990	1,329,000	772,300	194,800	110,230	116,300	107,550
MEAN	2,090	3,130	16,900	28,090	21,340	26,160	44,300	24,910	6,490	3,560	3,752	3,580
MAX	2,970	4,590	39,200	35,200	31,500	57,300	55,800	48,700	10,700	5,410	4,680	6,220
MIN	1,740	2,160	3,780	13,500	11,400	7,370	27,700	7,850	3,430	2,770	2,940	2,590
CFSM	.32	.47	2.55	4.24	3.22	3.95	6.68	3.77	.98	.54	.57	.54
IN.	.36	.53	2.94	4.88	3.35	4.55	7.45	4.33	1.09	.62	.65	.60

CAL YR 1972: TOTAL 3,442,600 MEAN 9,406 MAX 42,700 MIN 1,720 CFSM 1.42 IN. 19.31
WTR YR 1973: TOTAL 5,591,970 MEAN 15,320 MAX 57,300 MIN 1,740 CFSM 2.31 IN. 31.37

02490500 Bogue Chitto near Tylertown, Miss.

LOCATION.--Lat 31°11', long 90°17', in SE¼ sec.34, T.3 N., R.9 E., Washington meridian, Pike County, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mile (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mile (0.3 km) upstream from Bars Branch, 2.2 miles (3.5 km) downstream from Topisaw Creek, and 9 miles (14 km) northwest of Tylertown.

DRAINAGE AREA.--502 mi^2 (1,300 km^2).

PERIOD OF RECORD.--August 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) above mean sea level.

AVERAGE DISCHARGE.--29 years, 773 ft^3/s (21.89 m^3/s), 20.91 in/yr (531 mm/yr).

EXTREMES.--Current year: Maximum discharge, 30,700 ft^3/s (869 m^3/s) Mar. 25; maximum gage height, 30.07 ft (9.165 m) Mar. 25; minimum discharge, 234 ft^3/s (6.63 m^3/s), part of each day Oct. 13-22 (gage height, 6.08 ft or 1.853 m).

Period of record: Maximum discharge, 45,700 ft^3/s (1,290 m^3/s) Jan. 7, 1950 (gage height, 33.50 ft or 10.211 m); minimum, 175 ft^3/s (4.96 m^3/s) Oct. 31, 1963; minimum gage height, 6.08 ft (1.853 m), part of each day Oct. 13-22, 1972.

Flood in February 1936 reached a stage 1.2 ft (0.37 m) higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mile (0.3 km) downstream.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1945(P), 1946(M), 1947-51, 1953.

DISCHARGE. IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	273	330	2.020	553	452	5.020	834	703	354	469	453
2	256	273	318	2.590	1.500	463	3.870	846	915	356	653	339
3	251	308	313	3.160	1.530	696	2.560	3.690	505	351	424	398
4	249	343	333	3.050	1.410	787	1.470	2.720	514	353	396	435
5	245	301	642	2.410	768	1.520	1.180	2.320	484	353	372	691
6	245	280	3.820	1.960	519	1.590	903	1.610	490	505	361	915
7	245	278	7.120	1.730	555	2.400	2.000	1.210	475	590	355	992
8	242	280	2.810	2.280	564	4.220	3.100	2.030	487	463	345	765
9	242	278	1.690	2.300	1.540	4.760	2.500	2.770	590	407	340	593
10	238	280	886	1.950	2.340	2.460	2.020	3.690	571	356	339	490
11	238	271	674	1.230	2.120	2.090	979	2.490	475	353	339	461
12	236	269	580	945	1.490	4.210	764	1.350	458	348	479	418
13	236	292	580	795	982	4.130	563	1.250	444	340	470	2.150
14	236	410	678	692	2.470	2.540	503	952	495	343	622	1.490
15	236	564	726	629	4.240	1.130	561	730	667	333	593	856
16	236	402	1.060	580	5.510	1.240	1.070	646	596	328	760	596
17	234	330	1.250	545	2.740	2.910	4.480	603	563	325	636	493
18	236	313	757	520	1.110	2.520	15.400	568	584	320	526	446
19	236	361	577	502	942	2.290	12.500	542	517	318	499	418
20	236	366	757	484	719	1.440	7.180	526	549	318	441	402
21	236	348	8.370	924	536	1.470	3.180	508	814	330	393	398
22	264	320	17.200	1.630	584	1.070	1.400	496	1.020	333	369	379
23	749	306	9.270	979	552	818	1.020	490	776	325	356	374
24	502	301	4.120	670	526	1.820	866	558	517	343	351	359
25	361	418	1.670	571	514	24.100	1.810	636	452	340	346	356
26	296	571	992	539	499	22.400	2.760	691	424	359	340	351
27	359	603	795	526	481	7.000	2.880	594	410	393	404	359
28	404	438	685	542	463	2.750	2.710	565	399	421	559	390
29	385	374	622	542	------	1.400	2.020	529	385	532	639	435
30	316	346	600	514	------	1.260	1.040	517	379	493	502	556
31	287	------	1.330	484	------	4.430	------	502	------	427	561	------
TOTAL	8.988	10.497	71.555	38.293	38.157	112.366	88.609	37.353	15.959	11.730	14.437	17.614
MEAN	290	350	2.308	1.235	1.363	3.625	2.954	1.205	565	378	465	597
MAX	749	603	17.200	3.160	5.510	24.100	15.400	3.690	1.020	590	760	2.150
MIN	234	269	313	484	463	452	561	490	379	318	339	359
CFSM	.58	.70	4.60	2.46	2.72	7.22	5.88	2.40	1.13	.75	.93	1.17
IN.	.67	.78	5.30	2.84	2.83	8.33	6.57	2.77	1.26	.97	1.07	1.31

CAL YR 1972 TOTAL 285.114 MEAN 779 MAX 17.200 MIN 220 CFSM 1.55 IN 21.13
WTR YR 1973 TOTAL 466.558 MEAN 1.278 MAX 24.100 MIN 234 CFSM 2.55 IN 34.57

PEAK DISCHARGE (BASE, 6,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-07	0800	17.45	8,620	03-25	1200	30.07	30,700
12-21	2400	a23.90	18,600	04-01	0100	15.30	6,300
02-16	0700	15.29	6,290	04-18	2000	24.40	19,200

a At 1400 Dec. 22.

03589500 Tennessee River at Florence, Ala.

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec.14, T.3 S., R.11 W., Lauderdale County, on right bank of old lock and dam 1 canal at lower end of Patten Island, 137 ft (41.8 m) upstream from Southern Railway bridge, 700 ft (213 m) upstream from O'Neal Bridge on U.S. Highway 72, 1 mile (1.6 km) south of Florence, 1.7 miles (2.7 km) upstream from Cypress Creek, 2.7 miles (4.3 km) downstream from Wilson Dam, and at mile 256.7 (413.0 km).

DRAINAGE AREA.--30,810 mi² (79,800 km²), approximately.

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft (122.261 m) above mean sea level. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft (41.8 m) downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft (427 m) upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 miles (24.5 m) downstream.

AVERAGE DISCHARGE.--79 years, 51,070 ft³/s (1,446 m³/s), 22.51 in/yr (572 mm/yr).

EXTREMES.--Current year: Maximum discharge, 530,000 ft³/s (15,000 m³/s) Mar. 17; gage height, 30.03 ft (9.153 m); minimum daily, 15,200 ft³/s (430 m³/s) Sept. 16.

Period of record: Maximum discharge, 530,000 ft³/s (15,000 m³/s) Mar. 17, 1973; gage height, 30.03 ft (9.153 m); minimum daily, 105 ft³/s (2.97 m³/s) Sept. 7, 1969 (computed on basis of Wilson Dam records); minimum gage height, -.30 ft (-0.914 m) Oct. 8, 1925, caused by filling of Wilson Lake.

Flood in 1867 reached a stage of 31.1 ft (9.48 m), from National Weather Service records (discharge, 421,000 ft³/s or 11,900 m³/s). Observed discharge of Mar. 19, 1897, 444,000 ft³/s (12,600 m³/s), gage height, 32.50 ft (9.91 m).

REMARKS.--Records good except those below 25,000 ft³/s (708 m³/s), which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated.

REVISIONS (WATER YEARS).--WSP 473: 1897 (M). WSP 1306: 1914 (M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72,300	64,600	81,400	137,000	88,200	44,200	130,000	101,000	175,000	34,200	52,000	24,700
2	58,200	60,300	84,600	133,000	88,100	47,600	128,000	95,400	155,000	46,200	49,900	23,000
3	36,900	53,300	76,100	154,000	101,000	52,500	115,000	84,100	135,000	48,100	52,000	25,900
4	36,800	64,600	80,700	150,000	101,000	57,300	104,000	71,500	115,000	40,500	49,000	43,600
5	47,300	58,400	80,400	156,000	89,300	57,800	70,700	56,600	106,000	49,700	31,400	54,800
6	35,200	59,300	82,500	150,000	83,400	64,300	61,500	52,500	107,000	47,400	36,800	47,400
7	52,900	61,100	72,100	144,000	83,100	57,500	67,800	59,000	90,100	49,700	45,400	41,300
8	39,100	62,900	74,300	144,000	104,000	60,600	77,200	67,600	91,500	40,900	45,300	32,300
9	40,600	58,900	104,000	145,000	112,000	56,800	74,400	66,500	92,400	47,600	39,400	20,400
10	43,800	58,500	152,000	140,000	113,000	86,000	67,700	74,600	88,500	45,700	48,400	36,800
11	40,900	52,800	171,000	121,000	122,000	74,000	54,200	75,000	74,000	30,300	40,400	41,100
12	38,300	53,900	189,000	108,000	120,000	85,000	53,800	65,900	57,500	40,000	34,800	39,000
13	41,900	55,700	189,000	85,100	121,000	78,200	41,800	63,900	57,400	48,300	50,400	32,100
14	37,500	56,400	195,000	59,600	152,000	86,700	34,000	65,200	64,600	41,900	57,400	49,900
15	25,400	59,500	220,000	58,000	161,000	137,000	25,500	49,000	65,200	43,600	52,000	34,000
16	37,400	59,500	218,000	62,400	147,000	355,000	28,500	41,800	44,900	56,600	46,600	15,200
17	37,400	57,200	215,000	53,200	124,000	490,000	38,100	63,500	65,400	63,100	52,400	24,600
18	46,700	58,500	196,000	56,900	121,000	443,000	36,000	37,300	60,900	64,100	48,800	28,800
19	60,500	51,300	179,000	63,900	114,000	406,000	28,700	35,800	79,000	42,700	20,800	32,700
20	59,200	56,200	174,000	66,900	87,200	348,000	26,700	54,200	71,400	42,800	65,300	38,000
21	53,900	67,500	163,000	76,500	67,700	315,000	40,900	62,200	56,000	50,800	64,100	32,000
22	53,700	74,400	161,000	109,000	64,900	272,000	32,100	56,000	55,600	60,600	64,900	28,800
23	50,100	73,800	154,000	110,000	55,900	235,000	36,400	55,300	55,900	48,600	65,000	19,200
24	52,800	74,900	139,000	119,000	60,700	199,000	63,200	46,000	60,200	44,900	37,400	28,900
25	60,700	74,200	141,000	111,000	69,000	195,000	56,300	62,900	46,000	47,700	67,900	36,800
26	51,000	73,400	147,000	117,000	46,300	158,000	67,900	50,000	42,200	41,100	26,500	36,000
27	40,100	81,500	130,000	113,000	47,000	134,000	90,200	75,300	39,300	70,000	44,200	41,300
28	52,400	77,700	122,000	113,000	41,700	126,000	112,000	137,000	49,800	50,500	49,800	41,900
29	51,900	83,800	117,000	99,000	------	120,000	110,000	191,000	41,100	58,600	45,800	55,100
30	52,800	86,700	116,000	90,000	------	109,000	109,000	214,000	37,700	50,600	30,300	84,000
31	41,300	------	130,000	87,000	------	100,000	------	208,100	------	47,600	30,500	------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	47,480	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	72,300	86,700	220,000	156,000	161,000	490,000	130,000	214,000	175,000	70,000	67,900	84,000
MIN	25,400	51,300	72,100	53,200	41,700	44,200	25,500	35,800	37,700	30,300	20,800	15,200

CAL YR 1972 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible]
WTR YR 1973 TOTAL [illegible] MEAN [illegible] MAX 490,000 MIN 15,200

03592500 Bear Creek at Bishop, Ala.

LOCATION.--Lat 34°39'21", long 88°07'21", in SE¼ sec.5, T.5 S., R.15 W., Colbert County, on left bank 250 ft (76 m) upstream from highway bridge, 0.5 mile (0.8 km) downstream from Cedar Creek, 0.8 mile (1.3 km) southwest of Bishop, and at mile 27.3 (43.9 km).

DRAINAGE AREA.--667 mi² (1,728 km²).

PERIOD OF RECORD.--August 1926 to June 1928, February 1929 to March 1932, June 1933 to current year.

GAGE.--Water-stage recorder. Datum of gage is 419.91 ft (127.989 m) above mean sea level. Nonrecording gage prior to June 23, 1928, and Feb. 10, 1929, to Mar. 31, 1932, at site 35 ft (11 m) downstream, and June 7, 1933, to May 28, 1934, at bridge 20 ft (6 m) downstream at datum 5.00 ft (1.524 m) lower.

AVERAGE DISCHARGE.--43 years (1926-27, 1929-31, 1933-73), 1,095 ft³/s (31.01 m³/s), 22.29 in/yr (566 mm/yr).

EXTREMES.--Current year: Maximum discharge, 60,800 ft³/s (1,720 m³/s) Mar. 17, gage height, 24.12 ft (7.352 m) in gage well, 25.2 ft (7.67 m) from floodmarks 20 ft (6.1 m) upstream from gage; minimum daily, 46 ft³/s (1.30 m³/s) Sept. 27.

Period of record: Maximum discharge, 60,800 ft³/s (1,720 m³/s) Mar. 17, 1973, gage height, 24.12 ft (7.352 m) in gage well, 25.2 ft (7.67 m) from floodmarks 20 ft (6.1 m) upstream from gage; minimum discharge, 9.3 ft³/s (0.26 m³/s) Sept. 15-17, 1954; minimum gage height, -0.15 ft (-0.046 m) Sept. 1, 1943.

REMARKS.--Records good. Flow regulated by Bear Creek Reservoir 47.3 miles (76.1 km) upstream beginning Mar. 14, 1969.

REVISIONS (WATER YEARS).--WSP 698: 1929, WSP 823: Drainage area. WSP 853: 1927, 1928 (M), 1929, 1930 (M), 1932 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	873	416	1,730	3,180	2,300	565	4,670	3,420	565	312	209	178
2	524	879	1,600	2,490	3,120	791	4,150	2,430	837	328	192	158
3	410	1,540	1,460	3,470	2,590	1,690	3,360	2,160	773	342	182	156
4	434	745	1,360	6,420	2,320	1,370	2,970	1,430	721	288	171	153
5	646	614	1,290	4,140	2,160	1,460	3,090	1,190	689	1,500	164	144
6	461	537	1,690	5,170	1,990	1,340	3,040	1,230	1,610	691	157	175
7	385	901	1,450	4,420	1,920	4,180	3,550	1,250	3,020	662	151	138
8	350	638	1,210	5,150	3,570	2,650	3,960	1,270	1,520	1,070	148	126
9	325	488	4,690	4,130	4,060	2,560	3,440	1,190	889	923	155	120
10	301	558	8,680	3,420	2,960	2,240	3,300	1,070	733	954	149	104
11	224	537	6,890	3,060	2,460	5,260	3,020	923	745	1,030	335	93
12	123	518	3,790	2,780	2,200	4,790	2,960	905	1,140	865	211	74
13	190	600	3,670	2,560	3,150	3,290	2,740	825	1,940	684	224	77
14	259	649	3,290	2,400	9,580	2,980	2,590	745	936	497	222	195
15	257	676	5,080	2,260	8,980	4,970	2,680	709	959	440	249	233
16	273	503	4,980	2,100	4,430	35,300	2,340	698	761	512	282	218
17	250	682	3,580	1,960	3,430	58,700	2,370	652	797	495	185	273
18	255	440	3,090	1,810	3,010	29,400	2,990	596	663	750	180	256
19	266	1,030	2,810	1,440	2,730	14,500	3,370	673	695	548	153	213
20	253	1,200	2,910	1,180	2,480	5,600	2,560	1,980	1,050	390	142	194
21	162	765	2,730	2,100	2,260	3,980	2,100	1,260	950	348	135	80
22	130	733	2,590	5,180	2,090	2,990	1,740	1,070	965	315	116	79
23	248	688	2,370	3,510	1,960	2,730	3,060	941	1,280	251	92	76
24	266	702	2,160	2,690	1,770	2,920	5,020	1,320	1,100	222	79	85
25	255	1,900	1,980	2,370	1,900	8,100	3,990	982	1,000	204	66	78
26	180	2,260	1,790	2,070	1,330	4,010	4,430	918	817	196	72	58
27	560	1,160	1,230	3,280	962	3,720	6,470	1,410	566	225	78	46
28	1,080	2,220	1,070	2,050	652	3,120	4,140	3,080	682	198	65	70
29	701	2,920	688	2,720	------	3,180	3,520	1,600	600	319	82	78
30	670	1,760	868	2,340	------	3,400	2,900	672	325	273	160	182
31	537	------	3,460	2,110	------	4,730	------	540	------	222	277	------
TOTAL	12,101	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	390	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1,262	[illegible]	[illegible]	[illegible]	[illegible]
MAX	1,080	2,920	8,680	6,420	9,580	58,700	6,470	3,420	3,020	1,500	335	273
MIN	123	416	688	1,180	652	565	1,740	540	325	196	65	46
CFSM	.58	[illegible]	[illegible]	[illegible]	[illegible]	10.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN.	.67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CAL YR 1972 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]
WTR YR 1973 TOTAL [illegible] MEAN [illegible] MAX 58,700 MIN 46 CFSM [illegible] IN [illegible]

PEAK DISCHARGE (BASE, 7,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
[illegible]	[illegible]	[illegible]	[illegible]	03-17	[illegible]	24.12	60,800
[illegible]	[illegible]	[illegible]	[illegible]				

07032000 Mississippi River at Memphis, Tenn.

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 miles (2.1 km) downstream from Beale Street gage, 3.5 miles (5.6 km) downstream from Wolf River, 70 miles (113 km) upstream from St. Francis River, and at mile 734.8 (1,182.3 km).

DRAINAGE AREA.--932,800 mi^2 (2,416,000 km^2), approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1972. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1972 in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission. December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft (305 m) downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service. (See REMARKS).

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft (56.056 m) above mean sea level. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 miles (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

AVRRAGE DISCHARGE.--39 years, 453,700 ft^3/s (12,850 m^3/s), 328,700,000 acre-ft/yr (405 km^3/yr).

EXTREMES.--Period of record: Maximum discharge, 1,980,000 ft^3/s (56,100 m^3/s) Feb. 8, 1937; maximum gage height, 48.69 ft (14.841 m) Feb. 10, 1937; minimum discharge, 79,200 ft^3/s (2,240 m^3/s) Aug. 26, 1936; minimum gage height, -5.35 ft (-1.631 m) Jan. 24, 1956.

Maximum stage prior to 1937, 46.55 ft (14.188 m) Apr. 9, 1913, at Beale Street gage or about 45.2 ft (13.78 m) at present site.

REMARKS.--Records good. Flow regulated by many locks, dams, and reservoirs upstream. Records for 1973 water year not available for inclusion in this report. They will be published in a subsequent report.

RECORDS FOR WATER YEAR 1972 ARE PUBLISHED ON FOLLOWING PAGES

07032000 Mississippi River at Memphis, Tenn.

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 miles (2.1 km) downstream from Beale Street gage, 3.5 miles (5.6 km) downstream from Wolf River, 70 miles (113 km) upstream from St. Francis River, and at mile 734.8 (1,182.3 km).

DRAINAGE AREA.--932,800 mi² (2,416,000 km²), approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1972. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1972 in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission. December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft (305 m) downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft (56.056 m) above mean sea level. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 miles (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

AVERAGE DISCHARGE.--39 years, 453,700 ft³/s (12,850 m³/s), 328,700,000 acre-ft/yr (405 km³/yr).

EXTREMES.--Water year 1972: Maximum discharge, 1,150,000 ft³/s (32,600 m³/s) May 1-6; maximum gage height, 32.78 ft (9.991 m) May 3; minimum discharge, 181,000 ft³/s (5,130 m³/s) Oct. 24, gage height, -1.33 ft (-0.405 m).

Period of record: Maximum discharge, 1,980,000 ft³/s (56,100 m³/s) Feb. 8, 1937; maximum gage height, 48.69 ft (14.841 m) Feb. 10, 1937; minimum discharge, 79,200 ft³/s (2,240 m³/s) Aug. 26, 1936; minimum gage height, -5.35 ft (-1.631 m) Jan. 24, 1956.

Maximum stage prior to 1937, 46.55 ft (14.188 m) Apr. 9, 1913, at Beale Street gage or about 45.2 ft (13.78 m) at present site.

REMARKS.--Records good. Flow regulated by many locks, dams, and reservoirs upstream. Records for 1973 water year not available for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Records furnished by Corps of Engineers.

GAGE HEIGHT, IN FEET, at 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.10	3.30	2.90	1150	16.40	17.50	21.00	32.60	13.10	12.20	10.00	5.70
2	2.40	3.20	3.10	1090	16.60	18.90	20.50	32.80	11.90	13.80	10.30	5.50
3	2.70	2.60	3.70	1020	16.70	20.20	19.70	32.80	10.70	15.10	10.40	5.60
4	3.00	1.70	4.20	1030	16.70	21.40	19.30	32.70	10.00	15.90	10.80	5.60
5	2.70	1.50	4.90	1100	16.50	21.60	18.60	32.60	9.80	16.40	11.10	5.30
6	2.20	1.50	6.10	1400	16.40	23.60	17.80	32.40	9.70	16.70	11.30	4.90
7	1.90	2.10	7.30	1620	16.00	24.40	17.40	32.30	9.20	16.60	11.50	4.70
8	1.10	2.70	7.90	1740	15.30	25.20	16.30	32.10	8.70	16.10	11.50	4.40
9	.90	3.00	8.90	1820	14.80	25.70	15.60	31.80	8.30	15.30	11.40	4.40
10	1.20	4.00	9.60	1900	14.30	26.30	15.20	31.30	7.80	14.30	11.30	4.30
11	1.20	5.20	10.30	1970	13.80	26.40	15.00	30.60	7.00	13.10	12.00	4.60
12	.80	5.30	11.00	2030	13.30	26.40	15.20	29.80	6.60	12.00	12.60	4.30
13	.30	5.60	[illegible]	2090	12.70	26.30	16.00	29.10	6.40	11.30	12.20	4.20
14	.10	[illegible]	15.00	2140	11.80	26.20	17.00	28.40	6.10	10.90	11.20	3.90
15	-.30	[illegible]	17.00	2180	10.70	25.90	18.20	27.70	5.70	10.70	10.60	4.10
16	-.50	[illegible]	17.70	2170	9.80	25.70	19.90	27.10	5.50	10.90	10.20	4.30
17	-.60	[illegible]	[illegible]	2130	9.30	25.40	21.30	26.50	5.60	10.90	9.90	4.50
18	[illegible]	[illegible]	[illegible]	2130	9.60	25.10	22.60	25.90	6.10	10.40	9.90	5.00
19	[illegible]	[illegible]	[illegible]	[illegible]	10.50	24.80	24.30	25.20	6.70	10.10	9.80	5.50
20	[illegible]	[illegible]	[illegible]	[illegible]	12.20	24.60	25.10	24.60	7.70	10.10	9.50	6.50
21	-.60	[illegible]	[illegible]	[illegible]	14.00	24.00	26.20	24.00	9.00	10.20	9.90	8.00
22	-.90	[illegible]	[illegible]	[illegible]	15.50	23.60	26.80	23.30	10.40	10.30	9.30	9.20
23	-1.30	[illegible]	[illegible]	[illegible]	16.00	23.20	27.40	22.50	[illegible]	10.20	9.50	9.80
24	-1.30	[illegible]	[illegible]	[illegible]	16.00	22.80	28.20	21.90	[illegible]	9.70	9.20	9.70
25	-.70	[illegible]	[illegible]	[illegible]	15.80	22.30	29.20	21.30	[illegible]	9.50	9.40	9.20
26	[illegible]	[illegible]	[illegible]	[illegible]	15.70	[illegible]	[illegible]	19.00	[illegible]	9.50	9.40	8.50
27	[illegible]	[illegible]	[illegible]	[illegible]	15.70	[illegible]	[illegible]	17.90	[illegible]	[illegible]	[illegible]	7.80
28	[illegible]	[illegible]	[illegible]	[illegible]	16.20	[illegible]	[illegible]	16.70	[illegible]	[illegible]	[illegible]	7.30
29	[illegible]	[illegible]	[illegible]	[illegible]	16.60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.10
30	[illegible]	[illegible]	[illegible]	[illegible]	-------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	-------	[illegible]	[illegible]	-------	[illegible]	-------	[illegible]	-------	[illegible]	[illegible]	-------

07032000 Mississippi River at Memphis, Tenn.--Continued

DISCHARGE, IN THOUSANDS OF CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	239	259	247	420	580	624	690	1.150	440	429	370	290
2	242	252	253	408	583	673	668	1.150	404	474	376	287
3	244	244	265	398	586	717	643	1.150	375	512	379	288
4	245	232	276	410	584	761	629	1.150	363	518	388	288
5	241	228	291	452	579	807	603	1.150	358	549	394	281
6	231	235	315	527	573	845	579	1.150	355	557	398	275
7	220	244	342	585	558	877	556	1.140	344	552	403	270
8	215	254	353	619	537	902	539	1.140	335	536	401	267
9	216	271	369	643	520	922	521	1.130	327	509	397	268
10	222	287	390	663	504	943	509	1.110	317	478	398	264
11	224	296	407	680	488	946	508	1.070	304	446	418	264
12	217	297	451	696	472	943	521	1.030	298	418	431	264
13	213	292	510	720	458	940	550	992	294	400	416	261
14	212	286	561	738	427	935	585	956	287	392	390	257
15	206	280	594	747	401	923	628	922	281	387	376	261
16	202	272	624	748	375	914	677	889	279	383	366	264
17	204	267	637	745	370	897	736	860	282	384	363	267
18	209	267	649	737	381	883	808	842	291	380	364	274
19	207	268	662	726	411	868	867	823	303	374	362	384
20	201	265	680	711	464	851	904	805	322	374	355	303
21	197	264	690	694	520	830	929	785	348	378	356	330
22	192	263	690	662	563	811	944	764	376	380	354	350
23	186	260	669	623	580	791	962	738	389	374	357	361
24	190	257	634	577	583	768	985	707	389	363	353	357
25	199	260	562	545	571	745	1.010	665	386	360	358	344
26	204	264	550	522	567	720	1.030	621	377	302	302	335
27	206	265	515	515	567	702	1.060	583	370	355	305	326
28	210	267	492	530	573	691	1.090	547	372	335	342	316
29	229	264	468	548	591	691	1.120	512	380	330	310	317
30	246	253	452	562	------	696	1.130	488	395	335	301	331
31	257	------	453	572	------	698	------	465	------	350	294	------
TOTAL	6.726	7.913	15.051	18.723	14.966	25.314	22.981	27.486	10.341	12.914	11.377	8.946
MEAN	217	264	486	604	516	817	766	887	345	417	367	298
MAX	257	297	690	748	591	946	1.130	1.150	440	557	431	384
MIN	186	228	247	398	370	624	508	465	279	302	294	257
AC-FT	13.340	15.700	29.850	37.140	29.690	50.210	45.580	54.510	20.510	25.610	22.570	17.740

CAL YR 1971 TOTAL 161.616 MEAN 443 MAX 1.190 MIN 186.0 AC-FT 320.600
WTR YR 1972 TOTAL 182.734 MEAN 499 MAX 1.150 MIN 186.0 AC-FT 362.500

07266000 Cane Creek near New Albany, Miss.

LOCATION.--Lat 34°34'20", long 88°57'20", in SE¼SW¼ sec.11, T.6 S., R.3 E., Chickasaw meridian, Union County, near right bank on downstream side of bridge on county highway, 450 ft (137 m) upstream from Ellis Creek, 5.1 miles (8.2 km) upstream from mouth, and 6.2 miles (10.0 km) northeast of New Albany.

DRAINAGE AREA.--22.2 mi² (57.5 km²).

PERIOD OF RECORD.--February 1939 to July 1941, February 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 356.74 ft (108.734 m) above mean sea level. Prior to Mar. 31, 1939, nonrecording gage; Mar. 31, 1939, to July 18, 1941, water-stage recorder and nonrecording gage; Feb. 1 to June 14, 1950, nonrecording gage; June 15, 1950, to Oct. 7, 1955, water-stage recorder; and Oct. 8 to Dec. 9, 1955, nonrecording gage, all at present site. Dec. 10, 1955, to Sept. 30, 1962, water-stage recorder at site 600 ft (183 m) downstream. Prior to Oct. 1, 1955, all gages at datum 10.00 ft (3.048 m) higher.

AVERAGE DISCHARGE.--24 years (1939-40, 1950-73), 38.4 ft³/s (1,087 m³/s) 23.49 in/yr (597 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,630 ft³/s (188 m³/s) Mar. 15 (gage height, 18.00 ft or 5.486 m); from reconstructed stage graph; minimum daily, 1.8 ft³/s (0.051 m³/s) Sept. 26.
Period of record: Maximum discharge, 8,680 ft³/s (246 m³/s) Mar. 21, 1955 (gage height, 19.08 ft or 5.816 m, present datum), from rating curve extended above 4,200 ft³/s (119 m³/s); no flow Sept. 5-7, 1954.

REMARKS.--Records fair.

REVISIONS.--WSP 1177: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	11	22	62	177	26	84	90	28	6.4	4.0	3.6
2	4.6	61	19	44	80	132	62	97	26	6.4	3.9	3.8
3	3.9	18	17	480	61	73	62	158	25	6.4	3.8	3.3
4	3.7	13	17	144	52	67	57	79	23	6.2	3.7	3.0
5	3.6	11	18	122	47	49	49	71	22	6.3	3.6	3.0
6	3.1	14	45	100	43	66	46	59	19	6.1	3.6	3.6
7	3.8	933	22	106	86	109	177	123	18	6.1	3.6	3.0
8	2.8	93	316	86	588	52	93	75	17	6.1	3.3	3.0
9	2.7	54	420	62	121	44	79	70	15	6.0	3.3	3.0
10	2.5	38	497	49	80	40	59	70	14	5.8	3.0	2.7
11	2.3	28	119	44	65	1,110	52	123	13	6.6	3.0	2.7
12	2.4	20	89	40	57	122	49	70	14	5.3	5.1	2.5
13	2.4	190	115	37	725	91	45	46	14	5.4	9.4	2.2
14	2.9	82	236	34	275	713	44	38	13	5.4	11	2.0
15	2.6	60	658	33	120	4,080	45	34	12	6.6	5.1	2.0
16	2.4	28	108	31	82	2,120	79	33	11	215	4.4	2.0
17	4.1	28	75	31	60	270	51	31	11	57	4.1	2.0
18	4.9	57	61	31	54	160	92	30	11	28	4.1	2.0
19	5.6	188	66	31	68	140	65	30	9.7	21	3.8	2.0
20	3.8	67	58	28	62	120	73	68	8.8	16	3.8	2.2
21	5.3	31	59	866	30	100	51	31	9.2	16	2.7	2.5
22	9.6	25	67	176	30	88	50	30	9.1	11	2.5	2.2
23	13	21	38	87	36	83	1,400	61	9.0	8.8	2.3	2.7
24	5.8	20	36	63	36	200	655	52	7.5	7.8	2.8	3.3
25	4.7	193	32	52	32	207	214	32	7.2	7.0	2.8	2.8
26	3.8	58	29	302	30	125	350	30	6.0	6.3	2.5	1.8
27	51	36	27	116	28	88	216	152	6.0	5.0	2.8	3.0
28	15	49	26	150	27	68	162	67	7.0	5.3	2.8	6.1
29	11	35	26	88	------	173	119	62	6.7	4.8	2.8	12
30	16	25	106	68	------	119	96	35	6.6	4.5	3.6	6.1
31	17	------	121	58	------	166	------	31	------	4.3	3.4	------
TOTAL	226.5	2,447	3,592	3,603	3,127	10,956	4,550	1,898	398.6	487.8	115.6	81.3
MEAN	7.31	81.6	116	116	112	353	152	61.2	13.3	15.7	3.73	2.71
MAX	51	933	658	866	725	4,080	1,400	158	28	215	11	12
MIN	2.3	11	17	28	27	26	44	30	6.0	4.3	2.3	1.8
CFSM	.33	3.68	5.23	5.23	5.04	15.9	6.83	2.76	.60	.70	.17	.12
IN.	.38	4.10	6.02	6.04	5.24	18.36	7.62	3.18	.67	.82	.19	.14

CAL YR 1972 TOTAL 12,[illegible] MEAN 3[illegible] MAX 933 MIN [illegible] CFSM 1.[illegible] IN 2[illegible]
WTR YR 1973 TOTAL 31,[illegible] MEAN 86.[illegible] MAX 4,080 MIN 1.8 CFSM 3.[illegible] IN 52.[illegible]

PEAK DISCHARGE (BASE, 1,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-07	[illegible]	[illegible]	[illegible]	02-13	[illegible]	[illegible]	[illegible]
11-13	[illegible]	[illegible]	[illegible]	03-11	[illegible]	[illegible]	[illegible]
12-08	[illegible]	[illegible]	[illegible]	03-15	Unknown	*18.00	6,630
12-15	[illegible]	[illegible]	[illegible]	04-23	[illegible]	[illegible]	[illegible]
01-21	[illegible]	[illegible]	[illegible]	07-16	[illegible]	[illegible]	[illegible]
02-08	[illegible]	[illegible]	[illegible]				

*From reconstructed graph.

07268000 Little Tallahatchie River at Etta, Miss.

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw meridian, Union County, on downstream side of left main pier of bridge on State Highway 30, 0.8 mile (1.3 km) northeast of Etta, 3.8 miles (6.1 km) upstream from Puskus Creek, 4 miles (6 km) downstream from Locks Creek, 13 miles (21 km) west of New Albany, and 55.0 miles (88.5 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi^2 (1,362 km^2).

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district. Prior to October 1971 published as Tallahatchie River at Etta.

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft (83.357 m) above mean sea level (levels by Corps of Engineers). Nov. 23, 1936, to May 31, 1937, nonrecording gage at same site at datum 5.33 ft (1.625 m) higher. Sept. 24, 1938, to Mar. 16, 1939, nonrecording gage; Mar. 17, 1939, to Aug. 25, 1952, water-stage recorder; and Aug. 26, 1952, to June 22, 1953, nonrecording gage; all at same site. Sept. 24, 1938, to Sept. 30, 1952, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--35 years, 820 ft^3/s (23.22 m^3/s), 21.17 in/yr (538 mm/yr).

EXTREMES.--Current year: Maximum discharge, 55,000 ft^3/s (1,560 m^3/s) Mar. 16 (gage height, 27.54 ft or 8.394 m); minimum 29 ft^3/s (0.82 m^3/s) Sept. 18; minimum gage height, 6.95 ft (2.118 m) Oct. 18.
Period of record: Maximum discharge, 79,000 ft^3/s (2,240 m^3/s) Mar. 22, 1955 (gage height, 29.32 ft or 8.937 m); minimum, 4.1 ft^3/s (0.12 m^3/s) Oct. 3, 16, 1938.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 897: Drainage area. WSP 1211: 1948, 1949(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	244	306	1,380	3,720	405	1,640	964	303	94	70	63
2	75	1,050	250	725	3,000	1,490	911	930	275	93	53	63
3	61	448	219	6,240	1,910	3,340	773	1,370	250	93	47	65
4	59	206	210	13,700	568	1,770	752	890	228	93	45	60
5	61	160	215	4,120	553	1,490	639	728	317	205	43	37
6	54	146	1,860	5,410	488	732	582	650	292	113	41	65
7	50	13,100	655	2,810	410	4,070	3,570	1,510	202	92	40	54
8	48	7,390	806	3,460	8,740	1,200	3,770	1,290	179	92	50	54
9	48	1,540	12,500	1,070	5,450	674	1,130	698	165	92	50	61
10	45	657	14,300	706	1,540	524	835	594	150	96	44	37
11	42	390	7,230	533	976	18,100	632	686	141	414	49	30
12	41	313	2,300	437	790	10,700	580	1,090	185	112	82	35
13	41	2,850	2,760	384	4,930	2,390	529	558	269	96	188	36
14	43	4,310	1,990	371	17,400	3,170	689	650	264	76	726	37
15	56	863	16,300	379	5,220	38,200	470	420	188	72	134	34
16	44	466	6,010	318	1,700	52,400	2,430	300	172	304	66	36
17	40	354	1,770	286	1,090	27,100	1,150	360	120	755	58	32
18	42	480	1,000	260	976	5,530	3,940	350	125	176	53	30
19	53	5,000	968	778	742	2,190	2,150	600	117	138	50	32
20	47	2,130	1,460	333	518	1,630	782	872	109	131	45	34
21	42	696	969	10,700	536	1,180	986	368	103	86	44	34
22	45	686	637	22,200	505	960	529	298	109	72	41	35
23	956	363	464	4,610	479	848	8,000	327	105	66	39	34
24	111	392	483	1,460	638	869	15,900	898	99	61	36	66
25	83	5,590	352	874	419	6,290	11,600	368	97	58	36	36
26	80	3,790	326	4,670	480	2,360	8,050	276	86	57	35	31
27	480	895	292	4,090	487	1,080	10,500	7,360	85	57	33	31
28	438	1,620	277	2,730	405	866	3,060	6,090	123	56	34	62
29	197	722	262	1,780	------	1,090	1,360	830	97	50	35	66
30	266	617	1,230	888	------	1,230	1,110	668	96	49	136	36
31	816	------	5,730	686	------	6,350	------	368	------	50	49	------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	956	13,100	16,300	22,200	17,400	52,400	15,900	7,360	317	755	726	66
MIN	40	146	210	260	405	524	470	276	85	49	33	29
CFSM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CAL YR 1972 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]
WTR YR 1973 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]

PEAK DISCHARGE (BASE, 16,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]				

07271000 Clear Creek near Oxford, Miss.

LOCATION.--Lat 34°21'20", long 89°39'30", in NW¼SE¼ sec.30, T.8 S., R.4 W., Chickasaw meridian, Lafayette County, near right bank on downstream side of pier of bridge on State Highway 6, 1.0 mile (1.6 km) upstream from Hudson Creek, and 8.3 miles (13.4 km) west of Oxford.

DRAINAGE AREA.--10.3 mi^2 (26.7 km^2).

PERIOD OF RECORD.--January 1939 to July 1941, February 1950 to September 1972.

GAGE.--Water-stage recorder. Datum of gage is 273.47 ft (83.354 m) above mean sea level. Prior to Mar. 6, 1939, nonrecording gage. Prior to Oct. 1, 1962, at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--23 years (1939-40, 1950-72), 14.3 ft^3/s (0.404 m^3/s), 18.85 in/yr (479 mm/yr).

EXTREMES.--Water year 1972: Maximum discharge, 2,440 ft^3/s (69.1 m^3/s) June 25 (gage height, 9.81 ft or 2.990 m); minimum daily, 6.0 ft^3/s (0.17 m^3/s) Oct. 28.

1939-40, 1950-72: Maximum discharge, 6,500 ft^3/s (184 m^3/s) Apr. 29, 1963 (gage height, 14.34 ft or 4.371 m), from rating curve extended above 2,700 ft^3/s (76.5 m^3/s) on basis of slope-area measurements of peak flow; minimum, 3.0 ft^3/s (0.085 m^3/s) July 19-22, 1939.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1441: Drainage area. WSP 1561: 1957. WSP 1920: 1939-40, 1950-57, 1958 (M).

NOTE.--Records for 1973 water year will be published in a subsequent report.

07272000 Sardis Lake near Sardis, Miss.

LOCATION.--Lat 34°23'57", long 89°47'10", in NE¼SW¼ sec.12, T.8 S., R.6 W., Chickasaw meridian, Panola County, in gatehouse of dam of Little Tallahatchie River, 7.5 miles (12.1 km) southeast of Sardis, and 25.7 miles (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--September 1939 to current year. Prior to October 1970 published as Sardis Reservoir near Sardis.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1958, at datum 219.43 ft (66.882 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 1,840,700 acre-ft (2,270 hm³) Apr. 28 (elevation, 285.83 ft or 87.121 m); minimum, 286,200 acre-ft (353 hm³) Nov. 6 (elevation, 247.66 ft or 75,487 m).
Period of record: Maximum contents, 1,840,700 acre-ft (2,270 hm³) Apr. 28, 1973 (elevation, 285.83 ft or 87.121 m); minimum since initial filling of reservoir to conservation level, 47,900 acre-ft (59.1 hm³) Oct. 3, 1941 (elevation, 228.93 ft or 69.778 m).

REMARKS.--Reservoir is formed by hydraulic-fill earth dam, with concrete spillway and outlet tunnel on opposite ends of dam. Storage began Aug. 26, 1939; dam completed Aug. 1, 1940. Capacity, 1,569,900 acre-ft (1,940 hm³) at elevation 281.4 ft (85.771 m), crest of spillway, of which about 1,478,000 acre-ft (1,822 hm³) is available for flood-control storage and about 108,000 acre-ft (133 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 236.0 ft (71.93 m), 16.6 ft (5.06 m) above sill of outlet tunnel. Water below elevation 219.4 ft (66.873 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Elevation and contents furnished by Corps of Engineers; records reviewed by Geological Survey.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

245	235.8	260	612.5	275	1,220.7
250	336.2	265	787.2	280	1,487.5
255	462.2	270	988.2	286	1,851.7

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	388.5	291.3	549.8	827.0	1,097.9	1,160.4	1,747.4	1,810.7	1,639.9	1,491.5	1,309.1	1,084.0
2	390.3	288.4	553.5	825.9	1,100.7	1,153.7	1,748.7	1,798.0	1,632.7	1,486.9	1,302.8	1,077.1
3	391.5	287.4	556.7	827.8	1,107.7	1,151.3	1,745.5	1,787.8	1,624.9	1,481.8	1,295.0	1,070.3
4	392.5	287.2	558.8	829.8	1,111.0	1,150.8	1,739.3	1,781.5	1,617.1	1,476.8	1,287.3	1,060.3
5	393.0	287.0	562.6	840.2	1,111.9	1,151.8	1,732.3	1,774.5	1,609.4	1,469.5	1,280.5	1,052.2
6	394.0	286.4	564.4	862.5	1,111.9	1,152.3	1,726.7	1,765.1	1,601.6	1,463.3	1,271.7	1,045.5
7	394.8	300.0	565.4	879.7	1,110.5	1,153.2	1,721.1	1,755.6	1,585.1	1,456.0	1,264.1	1,039.2
8	395.5	332.2	565.4	891.8	1,108.6	1,160.9	1,720.5	1,751.8	1,576.4	1,449.9	1,257.0	1,033.8
9	396.0	376.7	569.4	898.6	1,118.9	1,168.1	1,722.3	1,748.7	1,568.2	1,442.6	1,249.4	1,027.6
10	396.8	404.6	595.4	903.1	1,133.6	1,169.1	1,716.7	1,743.0	1,558.8	1,435.9	1,241.8	1,017.5
11	396.5	421.4	645.8	904.3	1,142.7	1,172.5	1,714.3	1,735.5	1,550.1	1,430.8	1,235.8	1,009.6
12	392.8	429.0	685.7	904.3	1,145.1	1,189.1	1,708.1	1,729.2	1,541.3	1,427.0	1.229.7	1,001.3
13	387.3	432.7	714.3	903.1	1,145.1	1,217.2	1,702.6	1,726.1	1,535.6	1,420.4	1,222.7	992.6
14	380.9	438.1	733.3	901.5	1,151.3	1,230.7	1,695.8	1,717.4	1,534.4	1,414.3	1,218.7	984.8
15	375.0	445.1	752.8	899.4	1,173.9	1,278.4	1,688.5	1,710.6	1,535.6	1,407.2	1,218.2	977.9
16	369.2	454.6	780.9	897.0	1,197.0	1,448.2	1,681.7	1,702.0	1,536.7	1,399.0	1,213.8	969.4
17	362.4	462.2	811.0	894.2	1,204.9	1,630.2	1,681.7	1,692.8	1,536.7	1,398.4	1,207.3	959.2
18	356.4	466.7	827.8	891.0	1,205.9	1,721.7	1,684.2	1,684.8	1,539.0	1,401.2	1,199.9	950.7
19	350.6	471.1	834.8	886.9	1,205.9	1,739.3	1,690.9	1,676.2	1,539.0	1,398.4	1,194.1	941.4
20	344.3	473.3	837.5	882.5	1,204.9	1,739.9	1,700.1	1,668.3	1,538.4	1,393.5	1,184.2	932.3
21	337.1	476.1	839.9	879.7	1,202.9	1,738.6	1,701.4	1,662.8	1,537.3	1,387.5	1,176.4	924.0
22	330.2	489.6	841.0	908.4	1,199.9	1,736.1	1,698.9	1,656.1	1,536.1	1,382.1	1,168.1	917.5
23	324.2	495.6	841.8	969.0	1,196.0	1,733.0	1,705.7	1,648.3	1,534.4	1,373.9	1,159.0	909.6
24	319.6	501.2	841.4	1,010.0	1,190.1	1,728.6	1,772.0	1,642.9	1,531.5	1,366.9	1,150.3	899.8
25	314.2	506.6	841.0	1,033.8	1,184.2	1,733.0	1,808.2	1,641.7	1,526.4	1,359.4	1,141.7	891.8
26	307.8	506.8	840.6	1,041.9	1,178.8	1,739.3	1,826.7	1,637.5	1,520.1	1,351.4	1,135.5	883.7
27	301.9	519.2	838.7	1,054.5	1,173.0	1,741.8	1,836.3	1,632.1	1,513.8	1,344.5	1,124.6	875.3
28	298.3	535.0	836.7	1,070.7	1,166.7	1,739.3	1,840.7	1,641.7	1,508.1	1,337.6	1,116.1	866.9
29	295.6	541.3	831.7	1,080.3	--------	1,734.2	1,836.3	1,652.5	1,502.3	1,332.8	1,107.7	860.5
30	293.7	545.0	829.8	1,089.6	--------	1,733.0	1,824.7	1,651.3	1,496.6	1,322.7	1,099.8	854.3
31	291.3	-------	828.2	1,094.2	--------	1,730.6	--------	1,646.5	--------	1,315.3	1,091.9	-------
MAX	396.8	545.0	841.8	1,094.2	1,205.9	1,741.8	1,840.7	1,810.7	1,639.9	1,491.5	1,309.1	1,084.0
MIN	291.3	286.4	549.8	825.9	1,097.9	1,150.8	1,681.7	1,632.1	1,496.6	1,315.3	1,091.9	854.3
(†)	247.91	257.87	266.04	272.41	273.80	284.30	285.61	282.66	280.13	276.79	272.20	266.66
(‡)	-96,900	+253,700	+283,200	+266,000	+72,500	+563,900	+94,100	-178,200	-149,900	-181,300	-223,400	-237,600

CAL YR 1972..............‡ +445,100
WTR YR 1973..............‡ +466,100

† Elevation, in feet, at 0800 on last day of month.
‡ Change in contents, in acre-feet.

07272500 Little Tallahatchie River at Sardis Dam, near Sardis, Miss.

LOCATION.--Lat 34°23'57", long 89°47'10", in SW¼ sec.12, T.8 S., R.6 W., Chickasaw meridian, Panola County, in gatehouse of Sardis Dam, 7.5 miles 12.1 km) southeast of Sardis, and 25.7 miles (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--January 1940 to current year. Prior to October 1972 published as Tallahatchie River at Sardis Dam, near Sardis.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1948, at site 300 ft (91 m) downstream at datum 194.43 ft (59.262 m) above mean sea level. Jan.1, 1948, to Sept. 30, 1958, at present site and datum 219.43 ft (66.882 m) above mean sea level.

AVERAGE DISCHARGE.--33 years, 2,221 ft³/s (62.90 m³/s), 19.52 in/yr (496 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 11,900 ft³/s (337 m³/s) Apr. 28; minimum discharge, 15 ft³/s (0.42 m³/s) at times.
Period of record: Maximum discharge, 11,900 ft³/s (337 m³/s) Apr. 28, 1973; no flow at times each year prior to 1959.

REMARKS.--Flow completely regulated by Sardis Lake (see sta 07272000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1147: 1946(M). WSP 1711: 1942(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	3,510	1,260	3,000	2,470	4,530	6,200	9,480	5,370	3,150	4,140	4,390
2	15	2,590	2,060	3,000	3,230	3,930	6,370	8,710	5,170	3,140	4,120	4,350
3	15	2,150	2,670	3,000	3,230	3,260	5,930	8,140	4,970	3,590	4,110	4,320
4	15	2,150	2,670	3,010	3,240	4,110	5,410	7,770	4,970	3,800	4,090	4,310
5	15	2,150	2,680	3,020	3,240	4,520	4,950	7,320	4,900	3,730	4,080	4,300
6	15	2,700	2,680	3,040	3,550	4,520	4,950	6,990	5,050	3,780	4,070	4,290
7	15	37	2,680	3,050	3,930	3,630	4,940	6,350	5,350	3,770	4,050	4,270
8	15	15	2,240	3,060	3,310	3,270	5,030	6,250	5,310	3,750	4,020	4,230
9	15	15	15	3,070	3,570	3,280	5,440	6,030	5,240	3,750	4,020	4,210
10	506	15	15	3,070	3,580	3,280	5,310	5,220	5,200	3,740	4,110	4,420
11	2,990	15	15	3,070	3,590	3,290	5,280	5,490	5,180	3,730	4,290	4,440
12	3,470	15	15	3,070	3,590	3,290	5,620	5,370	4,120	3,720	4,290	4,450
13	3,450	15	15	3,070	3,590	3,310	4,870	5,240	15	3,710	4,280	4,430
14	3,420	15	15	3,070	3,500	2,890	4,920	5,250	15	3,700	3,590	4,430
15	3,400	15	15	3,260	3,510	15	5,110	5,490	15	3,690	3,900	4,420
16	3,530	15	1,050	3,730	3,530	15	5,540	5,250	15	2,620	4,270	4,490
17	3,520	321	2,510	3,730	3,530	3,750	5,690	5,150	155	1,630	4,270	4,510
18	3,590	942	2,990	3,720	3,530	5,730	6,020	5,540	775	3,930	4,260	4,590
19	3,570	963	2,990	3,720	3,530	6,400	6,400	5,430	1,120	3,910	4,260	4,590
20	3,530	376	2,990	3,720	3,530	5,670	6,750	5,410	1,120	3,900	4,250	4,570
21	3,500	15	2,990	1,390	3,530	5,520	6,960	2,000	1,120	3,890	4,320	4,550
22	3,470	15	2,990	15	4,010	5,400	5,220	5,320	1,120	3,840	4,560	4,550
23	3,460	15	2,990	15	4,560	5,250	6,350	5,360	2,150	3,800	4,540	4,540
24	3,540	328	2,990	15	4,560	4,970	9,350	5,440	3,240	4,270	4,500	4,530
25	3,490	1,220	3,340	15	4,550	5,620	11,200	5,490	3,230	4,250	4,490	4,530
26	3,490	1,220	4,170	303	4,560	5,070	11,600	5,350	3,220	4,220	4,490	4,720
27	2,910	1,230	3,630	1,100	4,560	5,800	11,700	5,050	3,200	4,210	4,480	4,700
28	2,180	1,230	2,990	1,100	4,530	5,680	11,900	5,300	3,190	4,200	4,450	4,690
29	2,170	1,240	2,990	1,100	------	5,390	11,000	5,200	3,190	4,190	4,420	4,690
30	2,170	1,250	2,980	1,100	------	5,940	10,100	5,190	3,170	4,190	4,400	4,670
31	2,900	------	2,990	1,080	------	5,900	------	5,220	------	4,190	4,390	------
TOTAL	68,781	25,767	66,615	72,303	104,500	133,700	205,910	180,460	90,681	116,090	131,910	134,190
MEAN	2,219	859	2,149	2,332	3,732	4,313	6,864	5,821	3,023	3,745	4,255	4,473
MAX	3,590	3,510	4,170	3,730	4,560	6,400	11,900	9,480	5,370	4,270	4,560	4,720
MIN	15	15	15	15	2,470	15	4,870	2,000	15	1,630	3,590	4,210
(†)	-1,561	+4,302	+4,530	+4,370	+1,183	+8,404	+1,180	-2,762	-2,507	-2,071	-3,672	-4,000

CAL YR 1972 TOTAL 477,631 MEAN 1,305 MAX 5,360 MIN 15 (†) +917
WTR YR 1973 TOTAL 1,330,907 MEAN 3,646 MAX 11,900 MIN 15 (†) +636

† Change in contents, equivalent in cubic feet per second, in Sardis Lake (see sta 07272000).

07274000 Yocona River near Oxford, Miss.

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw meridian, Lafayette County, near left bank on downstream side of pier of bridge on State Highway 7, 1.5 miles (2.4 km) downstream from Burney Branch, 6 miles (10 km) south of Oxford, and at mile 42.3 (68.1 km).

DRAINAGE AREA.--262 mi² (679 km²).

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and supplemental nonrecording gage read once daily. Datum of gage is 267.20 ft or 81.443 m (corrected) above mean sea level. Prior to Jan. 1, 1972 at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--27 years (1946-73), 370 ft³/s (10.48 m³/s), 19.18 in/yr (487 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,900 ft³/s (535 m³/s) Mar. 16 (gage height, 27.51 ft or 8.385 m); minimum daily, 12 ft³/s (0.34 m³/s) Oct. 11, 12, 15, 16, 18, 20, 21.

Period of record: Maximum discharge, 44,100 ft³/s (1,250 m³/s) Mar. 21, 1955 (gage height, 28.72 ft or 8.754 m), from rating curve extended above 22,000 ft³/s (623 m³/s); minimum, 4.4 ft³/s (0.12 m³/s) Sept. 14, 1954.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	76	238	833	1,040	145	1,140	617	192	58	48	28
2	36	548	172	711	994	663	956	537	173	49	37	31
3	24	199	150	722	766	1,050	520	812	135	46	34	32
4	19	112	144	2,260	523	1,040	372	625	118	45	31	26
5	18	88	131	2,030	391	896	306	424	106	152	29	25
6	17	66	548	2,600	303	946	253	317	95	327	28	158
7	16	2,000	452	2,010	287	1,910	983	913	93	108	28	157
8	15	848	715	1,680	2,200	1,060	1,160	901	82	71	39	103
9	14	581	2,310	1,220	1,570	854	1,110	705	83	55	48	79
10	14	358	2,940	918	1,260	546	790	412	77	50	34	49
11	12	146	2,430	643	854	5,470	432	337	79	131	35	43
12	12	118	1,730	420	559	3,090	335	739	90	192	360	43
13	13	487	1,320	329	1,550	1,540	284	529	229	72	221	42
14	13	516	1,260	295	2,940	1,890	253	296	194	51	801	43
15	12	396	3,440	282	1,950	13,200	224	194	136	58	157	37
16	12	286	2,200	256	1,140	15,300	930	157	87	147	71	34
17	13	145	1,430	240	780	11,200	908	130	79	522	57	33
18	12	352	952	226	559	3,200	2,680	112	76	315	50	30
19	13	1,150	760	248	398	1,710	2,110	103	67	114	47	30
20	12	552	672	256	322	1,270	1,360	280	74	81	42	29
21	12	498	610	4,230	277	1,040	868	174	57	66	40	30
22	19	262	478	5,310	250	901	566	111	51	55	35	28
23	57	166	363	2,280	226	803	1,820	305	46	51	34	28
24	36	131	301	1,300	210	1,010	4,960	1,120	47	46	31	30
25	22	1,610	268	947	190	2,170	6,010	393	43	42	30	28
26	18	1,000	240	1,260	170	1,530	4,050	182	40	60	29	27
27	43	806	214	1,250	158	1,090	3,470	2,040	39	38	28	26
28	76	588	198	1,140	152	760	2,020	1,560	57	30	28	30
29	56	474	186	918	------	636	1,240	1,140	68	35	28	50
30	63	376	992	741	------	610	906	661	50	35	28	38
31	108	------	1,230	512	------	1,780	------	263	------	69	24	------
TOTAL	864	14,925	28,666	38,067	22,119	79,310	42,916	17,080	2,762	3,151	2,535	1,367
MEAN	27.9	498	925	1,228	790	2,558	1,431	551	92.1	102	81.8	45.6
MAX	108	2,000	3,440	5,310	2,940	15,300	6,010	2,040	229	522	801	158
MIN	12	66	131	226	152	145	224	103	39	30	24	25
CFSM	.11	1.90	3.53	4.69	3.02	9.76	5.46	2.10	.35	.39	.31	.17
IN.	.12	2.12	4.07	5.40	3.14	11.26	6.09	2.42	.39	.45	.36	.19

CAL YR 1972 TOTAL 104,310 MEAN 285 MAX 3,610 MIN 11 CFSM 1.09 IN 14.81
WTR YR 1973 TOTAL 253,731 MEAN 695 MAX 15,300 MIN 12 CFSM 2.65 IN 36.03

PEAK DISCHARGE (BASE 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
03-16	2115	27.51	18,900				

07274500 Enid Lake near Enid, Miss.

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw meridian, Yalobusha County, in gatehouse of dam on Yocona River, 0.8 mile (1.3 km) upstream from U.S. Highway 51, 2.8 miles (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 miles (5.1 km) northeast of Enid, and 13.5 miles (21.7 km) upstream from the mouth of Yocona River.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1951 to current year. Prior to October 1970, published as Enid Reservoir near Enid.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to May 24, 1952, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 200.00 ft (60.960 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 752,000 acre-ft (927 hm³) Apr. 28 (elevation, 271.15 ft or 82.647 m); minimum, 87,500 acre-ft (108 hm³) Nov. 2 (elevation, 234.26 ft (71.402 m).

Period of record: Maximum contents, 752,000 acre-ft (927 hm³) Apr. 28, 1973 (elevation, 271.15 ft or 82.647 m); minimum since initial filling of reservoir to conservation level, 480 acre-ft (592,000 m³) Sept. 23 to Oct. 7, 1952; minimum elevation, 207.10 ft (63.124 m) Oct. 3-7, 1952.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began July 16, 1951. Capacity, 660,000 acre-ft (814 hm³) at elevation 268.0 ft (81.69 m), crest of spillway, of which about 602,400 acre-ft (743 hm³) is available for flood control and about 57,600 acre-ft (71.0 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 230.0 ft (70.10 m), 25 ft (7.6 m) above sill of outlet tunnel. Water below elevation 205.0 ft (62.48 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

230	57.6	245	197.3	260	460.2
235	93.4	250	270.0	265	579.5
240	139.4	255	358.2	272	778.1

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131,000	87,700	158,000	264,900	389,900	391,900	704,400	742,000	658,300	534,900	405,500	269,400
2	128,300	87,500	157,900	265,400	391,800	390,400	705,200	739,700	653,300	529,700	400,700	264,900
3	125,500	88,100	157,600	265,800	391,900	392,700	704,100	737,200	647,300	525,600	395,800	260,500
4	122,400	88,300	157,000	275,700	391,000	392,900	700,900	734,200	641,500	520,400	391,200	258,600
5	119,400	88,600	156,600	280,200	389,000	394,900	698,000	731,800	635,100	515,600	386,300	255,000
6	116,400	88,700	156,900	290,700	387,300	394,300	694,800	727,600	629,400	511,500	381,500	251,600
7	113,400	89,000	159,000	296,500	385,100	393,400	694,200	727,000	623,900	506,300	376,800	248,800
8	110,000	106,100	159,200	303,600	389,500	395,400	695,100	727,000	618,400	503,300	372,200	244,000
9	106,700	108,900	171,300	306,200	396,500	395,600	691,900	725,200	613,300	497,900	367,800	239,900
10	103,400	109,800	184,100	307,700	397,500	395,200	690,400	722,900	607,500	492,600	362,600	235,600
11	100,100	111,400	199,300	307,500	397,200	410,600	689,300	719,900	603,000	488,000	359,200	231,600
12	99,200	112,100	205,900	307,100	395,800	427,600	685,200	720,200	599,000	483,400	354,200	227,400
13	98,300	112,300	210,600	306,400	395,200	431,800	683,300	717,200	598,000	478,200	351,400	223,100
14	97,200	117,800	214,700	305,700	405,700	432,600	679,300	713,700	600,900	472,900	349,600	219,900
15	96,200	120,000	230,700	304,700	410,000	491,800	675,600	709,300	600,900	467,700	346,400	215,700
16	95,100	121,300	241,300	304,000	411,000	543,700	675,300	704,400	601,100	476,600	342,100	211,600
17	94,100	122,400	248,400	302,200	410,400	623,800	676,100	698,500	600,900	471,700	337,500	207,500
18	93,900	123,100	252,800	300,300	408,900	652,200	677,300	692,700	602,400	469,300	332,900	203,200
19	93,500	128,600	255,000	298,600	407,000	658,900	682,100	686,100	598,500	465,100	328,000	199,000
20	93,000	133,400	257,500	296,700	404,700	663,100	683,000	686,100	594,000	460,900	323,700	194,900
21	92,300	135,600	259,200	301,900	402,500	666,500	681,300	682,100	592,000	455,600	319,200	191,900
22	91,800	137,000	261,900	340,100	400,000	669,300	678,400	676,400	579,000	450,400	314,200	189,600
23	91,300	137,900	262,100	358,600	397,400	671,600	677,300	670,200	572,000	445,600	309,600	186,500
24	90,900	138,700	262,200	364,700	394,500	673,000	699,500	675,000	567,000	440,600	304,500	183,000
25	90,500	143,600	262,400	368,300	392,000	695,000	731,200	671,000	561,200	435,300	300,000	181,100
26	89,900	151,000	262,600	372,400	389,900	689,600	742,300	667,100	556,100	430,300	295,500	179,200
27	89,400	153,500	262,500	377,000	387,100	692,700	750,800	666,000	550,600	425,000	290,000	176,600
28	88,900	155,400	261,600	380,000	384,700	694,200	752,000	673,000	550,400	421,100	286,500	175,000
29	88,500	157,100	260,600	384,300	------	695,600	749,500	672,200	545,600	416,200	281,800	174,000
30	88,100	157,500	259,700	387,100	------	696,800	745,300	668,500	544,300	412,300	279,200	172,300
31	87,900	------	263,600	387,900	------	704,100	------	666,000	------	408,200	275,000	------
MAX	131,000	157,500	263,600	387,900	411,000	704,100	752,000	742,000	658,300	534,900	405,500	269,400
MIN	87,900	87,500	156,600	264,900	384,700	390,400	675,300	666,000	544,300	408,200	275,000	172,300
(†)	234.30	241.72	249.66	256.60	256.28	269.56	270.66	268.01	263.20	257.47	250.03	242.80
(‡)	-43,900	+70,000	+106,000	+124,600	-3,300	+321,700	+50,000	-82,300	-123,900	-129,000	-136,000	-102,600

CAL YR 1972 ....‡ +100,000
WTR YR 1973 ....‡ +38,500

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, in acre-feet.

07275000 Yocona River at Enid Dam, near Enid, Miss.

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw meridian, Yalobusha County, in gatehouse at Enid Dam, 0.8 mile (1.3 km) upstream from U.S. Highway 51, 2.8 miles (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 miles (5.1 km) northeast of Enid, and 13.5 miles (21.7 km) upstream from mouth.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1928 to current year. Prior to October 1951, published as Yocona River near Enid. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to July 14, 1939, nonrecording gage and July 14, 1939, to Aug. 19, 1940, water-stage recorder at site 150 ft (46 m) downstream from bridge on U.S. Highway 51, 0.8 mile (1.3 km) downstream. Aug. 20, 1940, to July 15, 1951, water-stage recorder at bridge on U.S. Highway 51. July 16, 1951, to May 23, 1952, nonrecording gage at present site. Prior to July 16, 1951, at datum 189.42 ft (57.735 m) above mean sea level; July 16, 1951, to Sept. 30, 1958, at datum 200.00 ft (60.960 m) above mean sea level.

AVERAGE DISCHARGE.--45 years, 837 ft³/s (23.70 m³/s), 20.30 in/yr (516 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 4,510 ft³/s (127.7 m³/s) Apr. 27; minimum discharge, 5.0 ft³/s (0.14 m³/s) at times.

Period of record: Maximum discharge, 36,300 ft³/s (1,030 m³/s) Feb. 14, 1948 (gage height, 21.61 ft or 6.587 m, site and datum then in use); maximum discharge since July 1951, when regulation began, 6,060 ft³/s (172 m³/s) Dec. 28, 1951; no flow at times each year July 1951 to December 1958; minimum discharge prior to construction of Enid Dam, 34 ft³/s (0.96 m³/s) Sept. 28, 1931, but may have been less during period of estimated record October to December 1931.

REMARKS.--Flow completely regulated by Enid Lake since July 16, 1951 (see sta 07274500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1281: 1929, 1945. WSP 1511: 1929(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,430	543	474	1,030	969	1,820	1,960	3,380	3,150	2,750	2,670	2,270
2	1,460	543	569	1,030	1,560	1,820	2,020	3,150	3,330	2,750	2,670	2,240
3	1,540	543	617	1,030	1,930	1,820	2,160	2,990	3,320	2,740	2,670	1,500
4	1,540	544	616	1,040	1,930	1,820	2,200	2,810	3,320	2,730	2,660	1,390
5	1,530	544	615	1,040	1,930	1,830	2,420	2,510	3,310	2,720	2,660	2,260
6	1,560	653	617	1,050	1,930	1,930	2,350	2,430	3,300	2,710	2,650	2,230
7	1,690	271	618	1,050	1,930	1,960	2,370	2,500	3,080	2,790	2,650	2,220
8	1,650	5.0	619	1,040	1,930	1,960	2,400	2,670	2,910	2,700	2,660	2,210
9	1,640	5.0	316	1,060	1,940	1,960	2,400	2,790	2,800	2,690	2,660	2,200
10	1,620	5.0	5.0	1,060	1,940	1,960	2,400	2,790	2,490	2,680	2,630	2,190
11	769	5.0	5.0	1,060	1,940	1,860	2,300	2,220	2,920	2,670	2,630	2,180
12	601	5.0	5.0	1,060	1,940	1,980	2,190	2,420	2,890	2,670	2,620	2,170
13	556	5.0	5.0	1,060	1,940	1,980	2,450	2,570	5.0	2,650	2,610	2,150
14	556	5.0	5.0	1,060	1,950	1,550	2,590	2,620	5.0	2,640	2,610	2,160
15	563	5.0	5.0	1,060	1,960	5.0	2,790	2,800	5.0	2,630	2,600	2,150
16	279	5.0	5.0	1,290	1,960	5.0	2,440	3,160	5.0	1,650	2,600	2,120
17	5.0	5.0	5.0	1,340	1,960	5.0	2,990	3,350	111	2,640	2,300	2,110
18	5.0	200	5.0	1,360	1,950	5.0	2,990	3,290	1,970	2,630	2,380	2,100
19	226	690	5.0	1,360	1,950	5.0	2,680	3,990	2,920	2,620	2,370	2,090
20	613	179	5.0	1,350	1,950	22	2,590	2,900	2,770	2,620	2,370	1,780
21	613	5.0	5.0	562	1,950	38	2,220	3,000	3,160	2,610	2,360	1,550
22	612	5.0	166	5.0	1,960	77	2,190	3,000	3,150	2,600	2,350	1,550
23	611	5.0	566	5.0	1,960	118	2,660	3,200	3,050	2,560	2,340	1,560
24	611	167	566	5.0	1,960	200	1,650	3,150	2,920	2,490	2,340	1,560
25	610	666	566	5.0	1,930	665	2,910	3,000	2,910	2,480	2,330	1,530
26	610	660	566	5.0	1,930	560	4,100	3,060	2,900	2,680	2,320	1,190
27	610	672	606	5.0	1,930	696	4,510	2,690	2,790	2,690	2,310	916
28	[illegible]	672	1,021	5.0	1,930	717	4,670	2,730	2,780	2,690	2,300	917
29	[illegible]	673	1,020	5.0	------	1,190	4,710	2,730	2,780	2,690	2,290	[illegible]
30	607	676	1,020	611	------	1,200	4,080	3,170	2,770	2,690	2,280	[illegible]
31	[illegible]	------	1,020	968	------	1,730	------	3,030	------	2,690	2,280	------
TOTAL	24,043.0	7,656.0	17,220.0	26,298.0	53,170	52,939.0	78,870	87,610	71,911.0	[illegible]	[illegible]	[illegible]
MEAN	776	255	556	848	1,899	1,708	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	1,690	690	1,020	1,360	1,960	1,960	4,510	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	5.0	5.0	5.0	5.0	969	5.0	1,650	[illegible]	5.0	1,650	[illegible]	916
(†)	-716	+1,176	+1,737	+2,020	-113	+2,232	+630	-1,550	-2,082	-2,106	-2,212	-1,081

CAL YR 1972 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN 5.0 (†) +200

WTR YR 1973 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN 5.0 (†) [illegible]

† Change in contents, equivalent in cubic feet per second, in Enid Lake (see sta 07274500).

07278000 Arkabutla Lake near Arkabutla, Miss.

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw meridian, in gatehouse of dam on Coldwater River, 4 miles (6 km) north of Arkabutla, and 54.3 miles (87.4 km) upstream from the mouth of Coldwater River.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

RECORDS AVAILABLE.--August 1941 to September 1968. Prior to October 1970 published as Arkabutla Reservoir near Arkabutla.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929 with 1941 Alluvial Valley and 1944 Birmingham-Corinth supplementary adjustments, U.S. Coast and Geodetic Survey (levels by Corps of Engineers). Prior to July 1, 1942, staff gage at same site. Prior to Oct. 1, 1958, at datum 191.18 ft (58.272 m) above mean sea level.

EXTREMES.--Water year 1968: Maximum contents, 276,400 acre-ft (341 hm³) Apr. 12 (elevation, 229.16 ft or 69.848 m); minimum, 31,300 acre-ft (38.6 hm³) Dec. 2 (elevation, 209.23 ft or 63.773 m).

1941-68: Maximum contents, 649,900 acre-ft (801 hm³) May 21, 1953 (elevation, 241.74 ft or 73.682 m); minimum since initial filling of reservoir to conservation level, 30 acre-ft (37,000 m³) at times during 1942-45; minimum elevation, 192.83 ft (58.775 m) Aug. 25, 1943.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began Aug. 14, 1941. Dam completed Aug. 31, 1945. Capacity, 525,300 acre-ft (648 hm³) at elevation 238.3 ft 72.63 m), crest of spillway, of which about 493,800 acre-ft (609 hm³) is available for flood-control storage and about 31,500 acre-ft (38.8 hm³) is permanent storage which will be maintained for incidental recreational purposes at elevation 209.3 ft (63.79 m), 18 ft (5.5 m) above sill of outlet gates. Water below elevation 191.3 ft (58.31 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents. Reservoir used only for flood control.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS.--Revised figures of contents, in acre-feet, for the water year 1968, superseding those published in WRD Miss. 1968 are given herewith:

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

209.00	30.1	220.0	122.3
210.0	35.3	222.0	149.0
212.0	47.3	224.0	179.3
214.0	61.7	226.0	213.5
216.0	78.7	228.0	252.0
218.0	98.9	230.0	295.0

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65.900	35.900	31.500	69.500	165.400	105.100	195.500	199.700	209.700	144.100	114.600	109.300
2	65.000	35.500	31.300	67.800	174.400	102.900	193.200	194.200	207.100	141.600	115.600	108.800
3	64.100	35.200	36.900	66.000	184.100	100.900	193.700	179.300	205.300	139.600	115.300	109.500
4	63.100	34.900	39.000	72.700	189.700	98.900	190.700	174.700	203.100	138.200	114.800	108.100
5	62.300	34.700	39.100	79.000	189.900	96.600	217.900	170.000	200.500	136.700	115.600	109.700
6	58.900	34.300	37.200	85.000	187.700	94.600	227.500	165.400	198.200	135.200	115.100	108.000
7	55.800	34.000	34.000	95.000	184.400	92.300	233.600	161.000	195.500	134.100	114.900	107.800
8	52.400	33.700	32.800	97.900	181.400	90.300	241.200	156.600	193.600	132.900	114.500	107.400
9	49.500	33.400	32.600	100.900	177.100	90.200	250.900	152.500	190.000	133.100	114.600	107.000
10	47.100	33.200	33.900	124.100	172.900	90.900	271.600	148.700	188.500	131.000	114.000	101.000
11	46.700	33.000	36.400	180.900	168.500	93.000	276.000	167.000	185.200	131.500	113.600	100.700
12	45.400	32.900	38.100	216.000	164.500	110.400	276.400	161.900	183.900	130.500	113.300	100.100
13	44.400	32.600	38.500	235.100	160.100	132.400	273.900	156.000	181.600	129.300	113.000	98.000
14	43.700	32.500	38.700	240.500	155.900	143.700	271.400	163.000	179.100	128.600	114.000	98.500
15	42.300	32.100	41.000	240.500	152.700	146.700	266.900	162.000	176.600	127.200	115.700	98.100
16	41.900	31.800	43.300	230.300	148.900	148.000	265.500	183.000	173.900	120.600	115.700	101.500
17	40.900	31.800	44.700	234.700	144.700	149.000	260.300	205.500	171.000	119.900	115.600	119.200
18	41.900	31.800	48.500	230.700	140.500	147.400	256.300	219.900	169.600	119.900	115.600	126.900
19	42.900	31.700	52.000	224.300	137.900	144.500	248.900	229.900	167.100	119.900	115.900	130.700
20	41.900	31.700	56.000	218.700	133.400	141.400	242.900	239.900	164.500	119.900	114.900	133.600
21	41.200	31.700	59.600	213.100	130.400	145.100	236.700	229.000	162.300	119.800	114.300	135.700
22	40.900	31.700	67.300	207.000	126.900	150.900	231.000	230.100	160.000	119.900	114.900	136.400
23	40.100	31.800	75.400	203.000	123.900	172.200	229.900	229.600	157.900	119.700	113.700	137.100
24	39.400	31.800	78.700	199.000	120.700	191.400	224.300	229.300	155.300	119.800	113.900	137.900
25	39.100	31.800	80.700	194.500	117.200	193.400	219.900	224.100	152.800	118.900	112.900	138.500
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	-------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	-------	[illegible]	[illegible]	-------	[illegible]	-------	[illegible]	-------	[illegible]	[illegible]	-------
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(†)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(‡)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Calendar year 1967 . . . . ‡ [illegible]
Water year 1967-68 . . . . ‡ [illegible]

† Elevation, in feet, at 0800 on last day of month.
‡ Change in contents, equivalent in cubic feet per second.

07278000 Arkabutla Lake near Arkabutla, Miss.

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw meridian, De Soto County, in gatehouse of dam on Coldwater River, 4 miles (6 km) north of Arkabutla, and 54.3 miles (87.4 km) upstream from the mouth of Coldwater River.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--August 1941 to current year. Prior to October 1970 published as Arkabutla Reservoir near Arkabutla.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to July 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 191.18 ft (58.272 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 702,800 acre-ft (867 hm³) Apr. 25 (elevation, 243.08 ft or 74.091 m); minimum, 82,400 acre-ft (102 hm³) Oct. 30 (elevation, 216.39 ft or 65.956 m).

Period of record: Maximum contents, 702,800 acre-ft (867 hm³) Apr. 25, 1973 (elevation, 243.08 ft or 74.091 m); minimum, since initial filling of reservoir to conservation level, 30 acre-ft (37,000 m³) at times during 1942-45; minimum elevation, 192.83 ft (58.775 m) Aug. 25, 1943.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began Aug. 14, 1941. Dam completed Aug. 31, 1945. Capacity, 525,300 acre-ft (648 hm³) at elevation 238.3 ft (72.63 m), crest of spillway, of which about 493,800 acre-ft (609 hm³) is available for flood-control storage and about 31,500 acre-ft (38.8 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 209.3 ft (63.79 m), 18 ft (5.5 m) above sill of outlet gates. Water below elevation 191.3 ft (58.31 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1007: 1941. WSP 1241: 1947.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

215	69.8	225	195.9	235	423.1
218	98.9	227	232.2	240	584.9
220	122.3	230	295.0	244	740.8
222	149.0				

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121.400	86.800	218.500	336.400	335.700	251.400	473.600	641.000	513.600	390.400	293.200	196.500
2	121.400	88.200	214.100	330.600	340.500	246.800	474.500	636.000	505.500	399.000	290.100	192.300
3	120.300	89.500	209.400	325.000	337.400	254.300	474.800	641.400	495.900	395.300	286.500	177.500
4	119.100	89.600	204.300	328.100	331.500	253.700	473.600	639.100	489.400	391.800	282.600	173.100
5	117.600	89.300	199.900	324.500	325.500	251.000	471.700	632.600	479.200	378.000	279.300	157.900
6	116.200	88.500	195.600	319.700	318.700	246.600	469.900	626.200	471.100	374.000	275.500	164.200
7	114.500	100.000	192.400	314.900	312.100	259.000	468.600	626.200	463.700	370.100	271.800	164.600
8	113.100	170.700	188.400	307.900	320.900	293.200	469.600	643.700	457.200	366.400	269.400	450.300
9	111.900	191.000	225.400	300.300	346.900	291.700	469.600	640.200	452.300	362.800	265.100	153.100
10	110.200	195.700	282.300	292.300	343.500	291.000	468.600	633.700	447.200	358.900	261.500	147.900
11	108.700	200.300	351.800	283.000	340.500	296.100	468.000	627.700	443.700	356.300	258.400	143.100
12	107.100	202.900	376.700	274.700	336.400	323.000	464.900	622.700	439.800	352.300	254.700	138.300
13	105.500	203.900	389.000	265.900	331.900	321.600	462.100	616.000	439.200	348.400	251.400	133.600
14	103.900	211.500	392.500	257.600	338.500	318.200	457.800	609.400	440.100	344.600	252.800	129.300
15	102.500	215.200	413.200	250.200	342.900	330.300	452.900	602.400	441.300	340.600	256.100	125.200
16	100.900	216.500	426.900	244.000	338.100	371.100	451.400	595.800	441.500	338.100	252.400	121.100
17	99.500	215.300	423.100	238.300	332.500	406.700	452.000	597.800	441.600	337.200	248.400	116.700
18	97.900	210.800	418.500	232.600	326.700	419.700	454.400	581.300	441.500	334.000	244.400	112.600
19	96.900	215.500	412.300	228.400	319.900	428.100	467.700	574.200	440.700	331.800	240.500	108.800
20	95.400	222.800	407.000	222.800	313.500	432.800	542.500	568.600	436.500	333.200	236.500	104.900
21	93.900	227.800	400.600	224.800	306.100	435.400	594.400	562.300	431.600	329.600	232.400	103.800
22	92.700	228.200	393.400	288.300	298.900	437.200	606.500	555.300	426.600	325.700	228.400	103.000
23	91.100	225.200	384.500	307.700	291.500	438.300	625.400	548.700	421.700	321.800	224.500	102.400
24	89.600	219.200	375.600	319.700	284.100	439.500	677.200	544.600	417.400	318.200	220.200	101.600
25	88.300	217.400	367.700	325.000	277.300	451.100	702.800	538.100	413.200	314.400	216.300	100.800
26	86.800	223.900	358.600	327.600	271.000	456.600	698.300	530.300	409.200	310.700	212.600	100.100
27	86.100	224.500	350.500	332.500	264.300	459.100	687.100	531.000	405.300	307.400	208.700	99.300
28	85.000	223.000	341.400	333.500	258.000	461.200	675.600	539.100	401.400	303.500	204.100	98.700
29	83.800	224.500	332.500	337.200	------	462.800	664.100	533.000	397.500	299.800	199.400	98.700
30	82.400	222.200	324.000	337.900	------	464.900	652.500	526.600	393.600	295.900	195.200	98.100
31	85.400	------	337.400	335.700	------	468.600	------	520.900	------	292.500	190.900	------
MAX	121.400	228.200	426.900	337.900	346.900	468.600	702.800	643.700	513.600	390.400	293.200	450.300
MIN	82.400	86.800	188.400	222.800	258.000	246.600	451.400	520.900	393.600	292.500	190.900	98.100
(†)	216.79	226.35	231.77	231.65	228.08	236.65	241.61	238.01	233.87	229.90	224.52	217.89
(‡)	-34,900	+133,700	+116,900	-2,900	-80,300	+219,000	+172,100	-128,600	-124,700	-98,800	-104,800	-90,200

CAL YR 1972..........‡ +292,000
WTR YR 1973..........‡ -23,500

† Elevation, of feet, at 2400 on last day of month.
‡ Change in contents, in acre-feet

07278500 Coldwater River at Arkabutla Dam, near Arkabutla, Miss.

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw meridian, De Soto County, in gatehouse of Arkabutla Dam, 4 miles (6 km) north of Arkabutla, and 54.3 miles (87.4 km) upstream from mouth.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--May 1937 to September 1941, January 1942 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311. Prior to October 1941 published as "at Pratts Bridge near Arkabutla."

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage and Oct. 1, 1939, to Sept. 30, 1941, water-stage recorder at site 1.7 miles (2.7 km) downstream at datum 187.54 ft (57.162 m) above mean sea level. Jan. 1 to June 30, 1942, nonrecording gage 135 ft (41 m) downstream from outlet tunnel of Arkabutla Dam and July 1, 1942, to Dec. 31, 1947, water-stage recorder at site 370 ft (113 m) downstream from outlet tunnel, both at datum 171.28 ft (52.206 m) above mean sea level. Jan. 1, 1948, to Sept. 30, 1958, at present datum 191.18 ft (58.272 m) above mean sea level.

AVERAGE DISCHARGE.--35 years, 1,297 ft³/s (36.73 m³/s), 17.61 in/yr (447 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 10,200 ft³/s (289 m³/s) Apr. 25; minimum discharge, 5.0 ft³/s (0.14 m³/s) at times.

Period of record: Maximum discharge observed, 30,200 ft³/s (855 m³/s) Jan. 22, 1938 (gage height, 12.9 ft or 3.93 m, site and datum then in use); no flow at times each year 1942 to 1958; minimum daily discharge, prior to the effect of construction of Arkabutla Lake, 120 ft³/s (3.40 m³/s) Oct. 15, 1938.

A stage of 21.3 ft or 6.49 m (from floodmarks) occurred in January 1935 at original site and datum.

REMARKS.--Flow completely regulated by Arkabutla Lake since January 1942 (see sta 07278000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1241: 1946. WSP 1441: 1938(M).

DISCHARGE. IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	756	866	3.090	4.480	3.240	3.330	549	5.420	4.440	1.890	1.830	2.450
2	796	868	3.040	4.800	3.740	3.290	659	5.070	4.420	1.890	1.830	2.450
3	890	869	2.980	5.120	4.220	3.370	1.030	5.390	4.400	1.890	1.830	2.430
4	890	869	2.920	5.170	4.290	3.360	1.160	5.160	4.390	1.890	1.830	2.540
5	889	869	2.850	5.120	4.210	3.300	1.590	4.950	4.390	1.890	1.830	2.750
6	888	1.230	2.800	5.070	4.140	3.280	1.580	4.200	4.290	1.890	1.830	1.700
7	886	592	2.760	5.000	4.090	3.510	1.580	4.840	3.710	1.870	1.830	1.520
8	886	5.0	1.860	4.930	4.210	3.710	1.580	5.530	2.700	1.870	1.830	2.640
9	885	5.0	5.0	4.840	4.420	3.700	1.590	4.900	2.410	1.870	1.820	2.550
10	884	5.0	5.0	4.740	4.410	3.700	1.920	4.640	2.190	1.870	1.820	2.490
11	882	398	5.0	4.630	4.400	3.920	2.080	4.250	1.990	1.870	1.820	2.420
12	923	1.190	3.210	4.520	4.350	4.100	2.080	3.940	1.410	1.870	1.820	2.350
13	880	523	5.040	4.420	4.300	4.090	2.240	3.450	5.0	1.870	1.820	2.290
14	879	5.0	5.070	4.320	4.220	4.070	2.420	3.420	5.0	1.870	609	2.230
15	878	5.0	5.270	3.960	4.440	4.220	2.420	3.450	5.0	1.870	1.300	2.170
16	877	734	5.340	3.410	4.400	1.670	2.420	3.350	5.0	1.870	2.080	2.120
17	876	2.320	5.320	3.340	4.320	5.0	2.430	3.550	95	1.860	2.070	2.050
18	875	3.020	5.280	3.280	4.230	5.0	2.430	3.380	350	1.860	2.070	1.990
19	874	3.090	5.240	3.220	4.190	5.0	2.300	3.540	1.590	1.850	2.060	1.930
20	873	1.240	5.190	3.160	4.090	5.0	711	3.710	2.400	1.850	2.050	1.190
21	872	478	5.140	1.160	4.000	5.0	2.490	3.470	2.390	1.850	2.040	604
22	871	2.720	5.060	5.0	3.900	5.0	3.120	3.590	2.380	1.850	2.040	604
23	870	3.170	4.980	5.0	3.910	5.0	5.140	3.730	2.140	1.850	2.030	603
24	869	3.110	4.890	561	3.720	5.0	8.140	4.200	1.910	1.850	2.020	602
25	868	3.110	4.800	1.930	3.530	5.0	10.200	4.530	1.900	1.850	2.020	602
26	866	3.180	4.710	1.930	3.570	5.0	9.390	4.450	1.990	1.850	2.010	601
27	866	3.170	4.750	1.940	3.490	5.0	8.560	4.300	1.980	1.840	2.280	600
28	865	3.200	4.870	1.940	3.400	5.0	7.600	4.190	1.980	1.840	2.510	600
29	864	3.190	4.850	1.940	------	225	6.640	4.150	1.980	1.840	2.500	600
30	863	3.140	4.670	2.260	------	540	5.920	4.130	1.980	1.840	2.490	599
31	866	------	4.490	3.030	------	544	------	4.430	------	1.830	2.470	------
TOTAL	27.007	47.161.0	120,485.0	104,231.0	113.430	57.989.0	101.847	131.340	65.295.0	57.730	60.389	50.295
MEAN	871	1.572	3,887	3,362	4.051	1.871	3,395	4,237	2.177	1.862	1.949	1.676
MAX	923	3.200	5,340	5,170	4.440	4.220	10.200	5.530	4.440	1.890	2.510	2.750
MIN	756	5.0	5.0	5.0	3.240	5.0	549	3.360	5.0	1.830	609	599
(†)	-568	+2,247	+1,901	-47.2	-1,446	+3,562	+2,892	-2,091	-2,096	-1,607	-1,704	-1,516

CAL YR 1972 TOTAL 392.439.0 MEAN 1.072 MAX 5.340 MIN 5.0 (†) +402
WTR YR 1973 TOTAL 937.189.0 MEAN 2.568 MAX 10.200 MIN 5.0 (†) -32.5

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see sta 07278000).

07280000 Tallahatchie River near Lambert, Miss.

LOCATION.--Lat 34°10'50", long 90°12'55", in NE¼SW¼ sec.29, T.27 N., R.1 E., Choctaw meridian, Quitman County, near center of span on downstream side of highway bridge, 0.2 mile (0.3 km) downstream from Coldwater River, 3.5 miles (5.6 km) southeast of Lambert, and 24.5 miles (39.4 km) downstream from point of diversion of Panola-Quitman Floodway.

DRAINAGE AREA.--1,980 mi² (5.130 km²), approximately (does not include 2,600 mi² or 6,730 km²) of upper Little Tallahatchie (formerly Tallahatchie) and Yocona Rivers, the entire flow of which is diverted 24.5 miles (39.4 km) upstream through Panola-Quitman Floodway.

PERIOD OF RECORD.--October 1935 to current year. Prior to October 1938, monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 123.83 ft (37.743 m) above mean sea level (levels by Corps of Engineers). Prior to Sept. 5, 1946, nonrecording gage at same site and datum. Since Sept. 11, 1946, auxiliary water-stage recorder 5.8 miles (9.3 km) downstream from base gage at datum 2.66 ft (0.811 m) higher. Dec. 9, 1938, to Sept. 10, 1946, auxiliary nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 2,623 ft³/s (74.28 m³/s), 17.99 in/yr (457 mm/yr).

EXTREMES.--Current year: Maximum daily discharge, 15,100 ft³/s (428 m³/s) May 3; maximum gage height, 33.04 ft (10.071 m); minimum daily discharge, 768 ft³/s (21.7 m³/s) Sept. 30.

Period of record: Maximum discharge observed, 32,800 ft³/s (929 m³/s) Jan. 30, 1937 (gage height, 35.54 ft or 10.833 m); minimum, 59 ft³/s (1.67 m³/s) Oct. 27-29, 1942; minimum gage height, 5.85 ft (1.783 m) Oct. 16-21, 1938.

A stage of 36.8 ft or 11.22 m (from floodmarks) occurred in January 1932 (probably affected by levee breaks above).

REMARKS.--Flow partly regulated by Arkabutla Lake on Coldwater River (see sta 07278000).

COOPERATION.--Twenty-nine discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1281: 1939.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.770	2.160	6.110	9.420	5.380	4.550	4.220	14.300	6.050	2.350	2.200	2.550
2	1.560	2.250	5.720	9.290	6.580	4.590	3.930	14.600	5.990	2.450	2.250	2.650
3	1.390	2.800	5.100	8.970	6.700	7.700	3.260	15.100	5.910	2.430	2.230	2.650
4	1.360	2.700	4.450	9.350	6.500	7.550	2.910	15.000	5.520	2.430	2.210	2.530
5	1.300	2.530	4.300	9.290	6.330	7.230	2.800	14.700	5.540	2.490	2.120	2.400
6	1.250	2.290	4.150	9.490	6.210	6.720	2.710	14.400	5.310	2.620	1.960	2.530
7	1.150	5.260	4.110	9.490	6.300	8.220	2.700	14.100	5.130	2.620	2.180	2.590
8	1.090	10.000	4.020	9.560	7.020	8.820	3.030	14.100	5.090	2.590	2.270	2.100
9	1.080	10.600	7.550	9.250	8.970	8.780	3.380	13.900	4.470	2.530	2.260	2.220
10	1.070	10.500	9.410	9.010	9.100	8.400	3.240	13.500	3.800	2.490	2.210	2.450
11	990	10.200	10.000	8.370	9.300	9.210	3.150	13.300	3.490	2.430	2.190	2.590
12	830	9.130	10.400	8.240	9.250	10.400	3.080	12.800	3.100	2.430	2.170	2.590
13	930	8.250	10.500	7.410	8.980	10.500	2.920	12.200	3.960	2.390	2.680	2.640
14	1.100	7.740	10.700	6.930	9.250	10.300	2.900	11.500	3.330	2.350	2.880	2.590
15	1.160	7.080	11.300	6.540	9.910	11.500	2.900	10.800	2.750	2.310	4.200	2.250
16	1.170	5.750	11.600	6.140	9.540	13.000	3.220	10.200	2.160	2.350	3.820	2.230
17	1.100	4.940	11.700	5.620	9.210	13.700	3.040	9.340	1.970	2.850	3.450	2.200
18	900	4.660	11.700	5.200	9.020	13.600	3.080	9.350	1.980	2.600	3.360	1.990
19	880	6.720	11.500	4.840	8.400	12.700	7.080	7.530	1.910	2.490	3.100	1.900
20	880	8.160	11.600	4.630	7.920	11.600	7.810	6.960	2.160	2.790	2.850	1.890
21	920	8.100	11.500	4.740	7.180	10.700	9.170	6.240	2.770	2.790	2.580	1.960
22	930	7.160	11.400	8.460	6.590	10.100	9.950	5.720	3.240	2.750	2.480	1.550
23	940	6.570	11.300	9.010	6.320	9.050	11.200	5.300	3.220	2.690	2.360	1.410
24	960	6.430	11.200	8.800	5.750	7.200	13.100	5.090	3.340	2.590	2.320	1.290
25	900	6.570	11.000	8.050	5.340	6.950	13.500	4.930	2.580	2.490	2.270	1.160
26	900	7.600	10.500	7.950	4.990	6.760	14.000	4.900	2.530	2.490	2.240	1.020
27	1.030	7.790	10.000	7.530	4.760	6.010	14.200	5.390	2.480	2.400	2.190	879
28	1.320	7.720	9.500	7.020	4.680	4.740	14.200	6.710	2.550	2.150	2.170	826
29	1.180	7.430	8.880	6.480	------	3.500	14.200	6.700	2.500	2.150	2.410	794
30	1.000	6.740	8.560	5.870	------	3.820	14.300	6.500	2.410	2.150	2.590	758
31	1.300	------	9.230	5.280	------	3.500	------	6.190	------	2.170	2.660	------
TOTAL	34.340	195.830	278.990	236.230	205.000	251.400	199.180	310.300	107.020	76.770	78.860	59.166
MEAN	1.108	6.528	9.000	7.620	7.324	8.432	6.639	10.010	3.567	2.476	2.543	1.972
MAX	1.770	10.600	11.700	9.560	9.910	13.700	14.300	15.100	6.050	2.850	4.200	2.650
MIN	830	2.160	4.020	4.630	4.680	3.500	2.700	4.900	1.910	2.150	1.960	758

CAL YR 1972 TOTAL 902.480 MEAN 2.466 MAX 11.700 MIN 380 (†) +402

WTR YR 1973 TOTAL 2.043.126 MEAN 5.598 MAX 15.100 MIN 768 (†) 32.5

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see sta 07278000).

07281000 Tallahatchie River at Swan Lake, Miss.

LOCATION.--Lat 33°51'35", long 90°16'35", on line between secs.14 and 15, T.23 N., R.1 W., Choctaw meridian, Tallahatchie County, on downstream side of left pier of highway bridge, 1 mile (2 km) southeast of Swan Lake, 3 miles (5 km) downstream from Cassidy Bayou, and 18 miles (29 km) downstream from point where Panola-Quitman floodway empties into Tallahatchie River.

DRAINAGE AREA.--5,130 mi² (13,290 km²), approximately.

PERIOD OF RECORD.--November 1929 to September 1938 (except low-water periods). October 1938 to current year. Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected in same vicinity since November 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 113.38 ft (34.558 m) above mean sea level. Prior to Oct. 11, 1934, nonrecording gage at datum 2.00 ft (0.610 m) higher; Oct. 11, 1934, to Sept. 18, 1944, nonrecording gage at present datum; and Sept. 19, 1944, to Dec. 31, 1958, water-stage recorder at present datum; all at site 1.3 miles (2.1 km) upstream. Oct. 4, 1944, to Dec. 31, 1958, auxiliary water-stage recorder at site 2.8 miles (4.5 km) downstream from former base gage at datum 0.95 ft (0.290 m) lower. Nov. 22, 1939, to Oct. 3, 1944, auxiliary nonrecording gage at site 3.8 miles (6.1 km) downstream from former base gage at same datum.

AVERAGE DISCHARGE.--35 years (1938-73), 7,289 ft³/s (206.4 m³/s), 19.30 in/yr (490 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 44,900 ft³/s (1,270 m³/s) Mar. 17-18; maximum gage height, 31.59 ft (9.630 m) Mar. 17; minimum daily, 2,950 ft³/s (83.5 m³/s) Oct. 12.

Period of record: Maximum discharge observed, 49,200 ft³/s (1,390 m³/s) Apr. 9, 1933; maximum gage height, 37.0 ft (11.278 m) Jan. 15, 1932, present datum (affected by break in levee); minimum daily discharge determined, 213 ft³/s (6.03 m³/s) Oct. 27, 1942; minimum gage height, 1.38 ft (0.421 m) Oct. 26-28, 1942.

REMARKS.--Flow partly regulated by Sardis Lake on Little Tallahatchie River (see sta 07272000), Enid Lake on Yocona River (see sta 07274500), and Arkabutla Lake on Coldwater River (see sta 07278000).

COOPERATION.--Twenty-one discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1711: 1932(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,080	5,380	11,600	16,000	13,700	13,200	18,000	30,500	15,500	8,210	9,910	8,900
2	3,730	6,100	11,300	16,000	13,500	13,200	17,400	30,800	15,400	8,250	10,200	8,920
3	3,430	6,980	10,900	16,100	13,500	13,200	16,800	31,200	15,300	8,260	10,300	8,920
4	3,300	6,700	10,500	16,200	13,600	13,700	16,200	30,700	15,200	8,300	10,200	8,900
5	3,240	6,110	10,200	16,600	13,300	13,800	15,500	29,600	15,100	8,450	9,900	8,850
6	3,180	5,590	10,000	17,100	13,200	14,000	15,100	28,300	15,000	8,600	9,610	8,850
7	3,160	7,220	9,840	17,500	13,200	14,900	14,900	27,700	14,900	8,730	9,370	8,830
8	3,180	9,770	9,700	17,900	14,000	15,300	14,600	27,200	14,800	8,930	9,210	8,900
9	3,160	10,700	10,700	18,000	14,500	15,900	14,500	26,700	14,500	8,990	9,090	8,870
10	3,140	11,400	12,100	18,000	15,000	16,400	14,400	26,000	14,600	8,980	8,910	8,850
11	3,120	11,600	13,200	17,600	15,500	17,800	14,300	25,000	14,200	8,910	8,790	8,870
12	2,950	11,700	13,800	17,200	15,900	18,800	14,200	23,700	13,900	8,870	8,870	8,830
13	3,970	11,800	14,200	16,700	16,000	19,700	14,200	23,200	13,800	8,780	9,000	8,910
14	4,820	12,000	14,500	16,200	16,500	20,500	14,100	22,400	13,600	8,690	9,230	8,960
15	5,140	12,000	15,200	15,700	16,800	25,100	14,000	21,300	12,300	8,620	9,700	8,960
16	5,250	11,600	15,600	15,200	19,200	39,600	14,000	20,300	11,200	9,310	9,910	8,960
17	5,170	10,800	15,900	14,700	17,400	44,900	14,000	19,500	10,200	10,400	10,100	8,920
18	5,010	9,890	16,100	14,200	17,300	44,900	14,200	18,800	9,410	10,300	10,200	8,870
19	4,950	10,700	16,200	13,800	17,300	42,000	14,300	18,200	8,970	10,200	10,200	8,860
20	5,000	11,400	16,300	13,400	16,900	39,000	14,400	18,000	8,950	10,200	10,100	8,810
21	5,170	11,700	16,400	14,000	16,400	35,700	14,500	17,600	8,900	10,200	9,890	8,760
22	5,260	11,800	16,400	14,800	15,900	33,800	14,700	17,300	8,700	10,200	9,710	8,650
23	5,370	11,500	16,400	15,400	15,100	29,000	15,100	16,900	8,470	10,200	9,600	8,430
24	5,410	10,900	16,300	15,800	14,800	25,700	17,000	16,500	8,260	10,100	9,490	8,160
25	5,330	11,000	16,200	16,000	14,400	24,900	21,300	16,200	8,190	9,950	9,350	7,860
26	5,380	11,500	16,200	16,000	14,000	23,800	25,900	16,000	8,180	9,870	9,200	7,600
27	5,560	11,800	16,100	15,800	13,700	22,700	29,200	15,900	8,180	9,780	9,080	7,350
28	5,690	11,800	16,000	15,500	13,400	21,500	30,200	15,700	8,190	9,690	8,930	7,100
29	5,230	11,900	15,900	15,000	------	20,400	30,100	15,700	8,190	9,610	8,860	6,970
30	4,740	11,900	15,800	14,500	------	19,300	30,200	15,700	8,190	9,600	8,790	6,950
31	4,860	------	15,900	14,000	------	18,900	------	15,600	------	9,600	8,890	------
TOTAL	136,980	305,240	435,440	490,900	424,000	731,400	527,400	678,200	349,780	288,850	294,590	255,600
MEAN	4,419	10,170	14,050	15,840	15,140	23,590	17,580	21,880	11,560	9,318	9,503	8,520
MAX	5,690	12,000	16,400	18,000	19,200	44,900	30,200	31,200	15,500	10,400	10,300	8,960
MIN	2,950	5,380	9,700	13,400	13,200	13,200	14,000	15,600	8,180	8,210	8,790	6,950

CAL YR 1972 TOTAL 1,947,300 MEAN 5,320 MAX 16,400 MIN 1,270 (†) +1,579
WTR YR 1973 TOTAL 4,918,380 MEAN 13,480 MAX 44,900 MIN 2,950 (†) +656

† Change in contents, equivalent in cubic feet per second, in Sardis, Enid, and Arkabutla Lakes (see stas 07272000, 07274500, and 07278000).

07282000 Yalobusha River at Calhoun City, Miss.

LOCATION.--Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw meridian, Calhoun County, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mile (1.3 km) upstream from Topashaw Creek, 1.2 miles (1.9 km) south of Calhoun City, 1.5 miles (2.4 km) upstream from old channel, and 4.8 miles (7.7 km) upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 mi² (790 km²), combined drainage area of all channels.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 226.06 ft (68.903 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft (3.048 m) higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft (23 m) downstream at same datum. Water-stage recorder and nonrecording gage read twice daily on Topashaw Creek Canal, 2.5 miles (4.0 km) southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

AVERAGE DISCHARGE.--23 years, 361 ft³/s (10.22 m³/s), 16.07 in/yr (408 mm/yr).

EXTREMES.--Current year: Maximum discharge, 52,100 ft³/s (1,480 m³/s) Mar. 16; maximum gage height at river gage, 24.82 ft (7.565 m) Mar. 16; minimum daily discharge, 1.5 ft³/s (0.042 m³/s) Oct. 21.
Period of record: Maximum discharge, 52,100 ft³/s (1,480 m³/s) Mar. 16, 1973; maximum gage height at river gage, 25.22 ft (7.687 m) Mar. 29, 1951 (present datum); no flow at times.

REMARKS.--Records fair. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967.

REVISIONS (WATER YEARS).--WRD Miss. 1970: 1969 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	8.6	94	437	1,460	60	1,290	325	65	9.4	18	4.2
2	37	10	59	224	1,170	466	662	292	59	14	8.3	4.4
3	15	15	51	6,500	435	463	351	1,550	55	21	6.3	9.1
4	16	13	36	4,770	252	1,360	259	473	46	11	5.4	8.5
5	18	9.1	42	5,300	167	1,130	148	296	40	10	7.2	13
6	12	6.3	109	8,830	156	726	156	222	30	21	6.6	102
7	9.4	51	68	5,010	119	3,450	2,590	3,080	20	21	5.9	162
8	9.0	48	50	4,520	1,580	1,140	1,940	2,610	20	40	11	42
9	7.1	22	1,610	1,630	2,420	540	941	1,090	19	49	14	16
10	3.6	13	6,740	815	914	433	618	414	15	22	7.5	11
11	2.8	12	2,910	394	503	5,060	361	259	15	217	5.8	8.2
12	2.8	8.8	1,250	229	271	2,340	290	1,400	60	104	27	7.0
13	2.4	176	940	167	416	1,080	232	1,050	52	43	214	6.2
14	3.1	148	2,000	144	6,140	778	187	539	79	20	807	5.7
15	2.7	47	4,970	135	3,560	9,920	164	370	121	7.9	94	8.7
16	2.5	31	1,650	106	1,590	40,300	2,250	302	79	19	68	9.5
17	2.5	21	665	89	791	9,490	1,540	252	44	39	25	5.2
18	2.0	54	285	80	322	2,820	5,050	232	35	18	18	3.7
19	2.5	474	174	76	215	985	2,460	200	29	14	13	3.0
20	1.9	189	252	65	166	440	811	823	20	11	12	3.5
21	1.5	81	248	4,190	133	282	368	272	16	8.3	6.9	3.7
22	38	45	178	3,410	118	195	248	206	18	7.2	5.0	3.5
23	256	34	106	1,260	108	164	2,220	166	15	6.2	4.2	3.3
24	35	32	73	616	92	1,200	4,790	181	12	4.6	4.6	3.2
25	14	726	54	212	82	4,400	4,940	140	11	4.1	3.5	3.0
26	8.4	326	42	2,020	72	1,730	4,300	123	11	9.3	3.3	2.8
27	137	102	36	1,630	69	794	4,030	528	10	10	3.3	2.9
28	77	2,760	32	931	64	421	1,430	465	11	6.5	3.3	3.0
29	46	672	30	566	------	1,120	749	160	12	6.8	2.4	3.2
30	19	227	638	333	------	1,500	406	118	9.1	8.3	8.0	3.8
31	13	------	1,780	268	------	3,810	------	77	------	14	5.2	------
TOTAL	872.2	6,361.8	27,172	54,957	23,685	98,597	45,781	18,215	1,026.1	796.6	1,492.9	462.2
MEAN	28.1	212	877	1,773	846	3,181	1,526	588	34.2	25.7	48.2	15.4
MAX	256	2,760	6,740	8,830	6,140	40,300	5,050	3,080	121	217	807	162
MIN	1.5	6.3	30	65	64	60	148	77	9.1	4.1	2.4	2.8
CFSM	.09	.70	2.88	5.81	2.77	10.4	5.00	1.93	.11	.08	.16	.05
IN.	.11	.78	3.31	6.70	2.89	12.03	5.58	2.22	.13	.10	.18	.06

CAL YR 1972 TOTAL 136,049.9 MEAN 372 MAX 11,200 MIN 1.5 CFSM 1.22 IN 16.59
WTR YR 1973 TOTAL 279,418.8 MEAN 766 MAX 40,300 MIN 1.5 CFSM 2.51 IN 34.08

PEAK DISCHARGE (BASE, 11,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-03	1600	20.28	15,100	03-16	0700	24.58	52,100
01-05	2300	20.04	19,700				

07283000 Skuna River at Bruce, Miss.

LOCATION.--Lat 33°58'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw meridian, Calhoun County, near right bank on downstream side of bridge on State Highway 9, 1 mile (1.6 km) south of Bruce.

DRAINAGE AREA.--254 mi² (658 km²).

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 228.75 ft (69.723 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.00 ft (3.048 m) higher. Oct. 1947 to Aug. 30, 1948, nonrecording gage; Aug. 31, 1948, to Mar. 23, 1955, water-stage recorder; and Mar. 24, 1955 to Sept. 12, 1958, nonrecording gage at same site.

AVERAGE DISCHARGE.--26 years, 357 ft³/s (10.11 m³/s), 19.09 in/yr (485 mm/yr).

EXTREMES.--Current year: Maximum discharge, 31,800 ft³/s (901 m³/s) Mar. 16 (gage height, 30.47 ft or 9.287 m); minimum daily, 4.5 ft³/s (0.13 m³/s) Oct. 20, 21.

Period of record: Maximum discharge, 61,400 ft³/s (1,740 m³/s) Mar. 21, 1955 (gage height, 34.11 ft or 10.397 m, present datum), from rating curve extended above 19,000 ft³/s (538 m³/s) on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings; minimum, 0.9 ft³/s (0.025 m³/s) Aug. 18, 1954.

REMARKS.--Records poor.

REVISIONS (WATER YEARS).--WSP 1920: 1958(P), 1959-60(M).

DISCHARGE. IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	62	86	732	1.450	78	1.100	150	60	18	12	8.2
2	37	49	61	628	1.000	503	600	250	49	15	10	9.0
3	19	40	44	7.040	390	1.140	340	750	37	13	9.0	9.5
4	11	36	31	3.510	264	871	200	300	31	18	8.5	10
5	9.6	30	56	3.650	239	803	133	150	24	50	8.0	16
6	9.0	25	362	4.480	228	601	103	120	24	90	8.0	26
7	8.0	271	226	2.300	232	2.090	2.010	1.000	23	55	10	250
8	7.2	193	106	2.090	4.200	692	1.480	950	22	35	15	55
9	7.2	82	2.350	679	1.320	600	487	350	21	60	28	26
10	6.5	64	5.970	324	598	522	307	150	20	150	22	16
11	6.1	45	1.560	196	542	7.340	159	140	30	350	20	12
12	5.5	34	868	156	435	1.530	122	1.150	280	200	30	12
13	5.3	461	1.150	136	2.190	548	105	400	360	100	150	12
14	4.9	532	1.240	116	3.430	734	99	120	300	80	800	11
15	4.7	113	3.860	106	989	12.800	90	90	200	100	250	10
16	4.5	55	1.100	100	547	30.300	2.340	55	80	350	50	9.4
17	5.1	27	516	89	488	24.000	1.180	50	40	690	25	9.0
18	5.5	56	288	97	328	7.000	3.640	45	25	300	15	8.6
19	5.1	788	191	92	246	4.500	1.260	40	21	120	13	8.4
20	4.5	349	142	78	188	950	363	500	25	45	11	8.4
21	4.5	112	109	7.130	165	660	212	350	20	20	10	8.4
22	15	61	86	3.060	143	560	191	50	15	16	9.8	8.2
23	101	40	72	656	122	470	2.780	120	14	14	9.2	8.2
24	33	40	61	196	116	900	6.270	250	15	13	8.8	8.1
25	16	1.410	56	147	109	1.700	3.910	150	14	12	8.2	7.8
26	15	638	53	1.590	96	1.200	1.870	90	14	11	8.0	7.5
27	135	162	51	1.340	90	750	1.930	300	15	11	8.0	7.2
28	127	1.210	51	975	84	320	446	600	17	10	7.9	10
29	46	419	51	425	------	260	230	490	15	10	7.7	13
30	55	135	424	284	------	421	190	200	16	12	7.6	11
31	79	------	1.700	255	------	1.360	------	100	------	13	7.5	------
TOTAL	874.2	7.561	22.921	42.657	20.429	106.203	34.146	9.410	1.828	2.981	1.587.1	613.9
MEAN	28.2	251	739	1.376	730	3.426	1.138	304	60.9	96.2	51.2	20.5
MAX	135	1.410	5.970	7.130	4.200	30.300	6.270	1.150	360	690	800	250
MIN	4.5	25	31	78	84	78	90	40	14	10	7.5	7.2
CFSM	.11	.99	2.91	5.42	2.87	13.5	4.48	1.20	.24	.38	.20	.08
IN.	.13	1.10	3.36	6.25	2.99	15.55	5.00	1.38	.27	.44	.23	.09

CAL YR 1972 TOTAL 92.228.0 MEAN 252 MAX 9.780 MIN 4.5 CFSM .99 IN 13.51
WTR YR 1973 TOTAL 251.191.2 MEAN 688 MAX 30.300 MIN 4.5 CFSM 2.71 IN 36.79

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-10	1200	20.29	10,500	02-13	2145	17.90	6,860
12-15	0800	17.27	6,080	03-11	1045	22.42	14,200
01-03	1800	23.36	15,900	03-16	1530	30.47	31,800
01-21	1700	23.18	15,600	04-16	1530	16.35	5,120
02-08	1145	18.94	8,320	04-24	2000	19.37	8,990

07284500 Grenada Lake near Grenada, Miss.

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw meridian, Grenada County, at gatehouse of dam on Yalobusha River, 2.2 miles (3.5 km) upstream from Batupan Creek, 3 miles (5 km) northeast of Grenada, and 63.6 miles (102 km) upstream from mouth of Yalobusha River.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

PERIOD OF RECORD.--July 1953 to current year. Prior to October 1970, published as Grenada Reservoir near Grenada.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 1,575,600 acre-ft (1,940 hm³) Apr. 28 (elevation 234.48 ft or 71.470 m); minimum, 146,300 acre-ft (180 hm³) Nov. 7 (elevation, 198.25 ft or 60.427 m).
Period of record: Maximum contents, 1,575,600 acre-ft (1,940 hm³) Apr. 28, 1973 (elevation, 234.48 ft or 71.470 m); minimum since initial filling of reservoir to conservation level, 66,900 acre-ft (82.5 hm³) Dec. 4, 1962 (elevation, 190.95 ft or 58.202 m).

REMARKS.--Reservoir is formed by a rolled-fill earth dam with concrete spillway and outlet tunnel. Storage began June 30, 1953. Capacity, 1,337,400 acre-ft (1,650 hm³) at elevation 231.0 ft (70.41 m), crest of spillway, of which about 1,251,700 acre-ft (1,540 hm³) is available for flood-control storage and about 85,700 acre-ft (106 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 193.0 ft (58.83 m), 24 ft (7.3 m) above sill of outlet gates. Water below 169.0 ft (51.51 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

195	106.5	210	389.1	225	986.6
200	171.8	215	549.3	230	1,273.8
205	264.3	220	747.3	235	1,613.3

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	268.3	151.0	202.1	407.9	830.6	777.3	1,454.1	1,558.3	1,422.7	1,226.4	1,018.6	814.5
2	265.2	151.0	203.5	410.5	835.2	772.4	1,468.9	1,553.3	1,413.9	1,218.5	1,010.6	807.6
3	259.2	150.6	204.6	414.6	840.4	770.2	1,466.2	1,565.5	1,405.1	1,212.4	1,002.6	799.9
4	251.7	149.5	204.9	442.1	839.0	770.2	1,461.4	1,564.8	1,396.4	1,202.8	993.5	791.6
5	244.2	148.3	204.7	481.7	833.4	770.7	1,456.6	1,559.1	1,385.9	1,196.8	985.0	786.9
6	236.8	147.0	205.8	529.6	827.8	769.3	1,451.8	1,552.6	1,376.7	1,189.7	977.7	779.6
7	229.5	146.3	207.3	567.5	822.3	777.3	1,455.3	1,553.3	1,366.8	1,182.5	969.4	772.0
8	221.5	149.1	207.5	620.5	824.1	784.4	1,469.6	1,567.7	1,357.0	1,178.4	961.2	765.4
9	214.3	150.6	209.5	648.1	842.3	784.0	1,471.0	1,567.0	1,349.2	1,172.4	953.5	757.9
10	206.9	150.1	221.0	658.8	843.3	782.6	1,469.6	1,561.2	1,340.0	1,164.7	945.3	751.3
11	199.2	150.9	256.3	663.6	841.4	804.4	1,462.8	1,554.0	1,331.6	1,158.2	938.6	745.1
12	192.0	150.5	287.1	666.9	835.7	849.5	1,454.6	1,554.0	1,326.5	1,151.7	932.5	737.4
13	189.6	150.3	302.3	667.7	830.6	865.2	1,451.8	1,553.3	1,324.6	1,142.5	927.5	730.6
14	186.9	154.1	313.4	668.1	841.4	872.4	1,444.4	1,546.8	1,331.0	1,142.5	923.0	723.8
15	184.8	157.8	330.9	669.3	862.3	900.2	1,436.9	1,539.7	1,332.2	1,136.7	921.0	717.0
16	182.4	158.7	359.1	670.5	866.2	1,059.4	1,438.9	1,529.8	1,332.2	1,131.5	915.5	709.4
17	179.3	159.0	377.1	669.3	864.7	1,294.7	1,451.8	1,520.6	1,331.0	1,131.5	909.6	702.2
18	175.9	159.5	384.3	668.5	859.0	1,357.7	1,457.3	1,512.2	1,332.9	1,126.9	902.7	695.2
19	173.4	161.4	388.5	667.7	851.9	1,366.2	1,477.3	1,501.0	1,328.4	1,120.1	896.7	687.7
20	170.0	165.3	392.8	667.7	845.2	1,370.8	1,478.7	1,503.1	1,322.6	1,112.0	890.8	679.5
21	166.9	167.8	396.6	675.0	839.5	1,374.0	1,471.7	1,500.3	1,313.1	1,102.9	885.4	672.2
22	165.0	168.7	398.6	734.8	831.1	1,377.3	1,464.1	1,491.2	1,299.1	1,095.5	878.6	664.8
23	165.6	168.7	400.0	768.9	822.8	1,378.0	1,460.0	1,482.2	1,290.9	1,087.1	871.4	658.9
24	165.0	168.4	400.6	779.1	814.9	1,381.3	1,484.9	1,476.6	1,282.0	1,079.3	864.7	651.6
25	163.8	170.9	401.2	794.9	805.7	1,410.5	1,539.0	1,469.6	1,271.3	1,070.4	860.0	644.5
26	159.0	175.5	400.9	792.5	800.7	1,430.8	1,556.5	1,464.1	1,265.1	1,061.6	851.9	638.2
27	156.7	181.7	400.9	801.7	792.5	1,437.6	1,572.0	1,455.3	1,256.5	1,054.4	846.1	632.3
28	155.5	185.9	399.7	810.8	784.9	1,438.9	1,575.6	1,453.9	1,249.1	1,045.1	839.0	627.9
29	155.1	192.1	398.0	819.5	------	1,441.7	1,572.0	1,449.1	1,243.0	1,039.0	833.4	624.0
30	154.5	198.3	398.3	825.1	------	1,448.4	1,565.5	1,441.0	1,234.4	1,030.4	826.9	619.0
31	153.0	------	400.9	826.9	------	1,458.7	--------	1,432.2	--------	1,023.9	820.5	------
MAX	268.3	198.3	401.2	826.9	866.2	1,458.7	1,575.6	1,567.7	1,422.7	1,226.4	1,018.6	814.5
MIN	153.0	146.3	202.1	407.9	784.9	769.3	1,436.9	1,432.2	1,234.4	1,023.9	820.5	619.0
(†)	198.64	201.77	210.57	221.81	220.74	232.91	234.28	232.34	229.27	225.65	221.55	216.74
(‡)	-117.5	+49.4	+204.4	+423.3	-48.8	+684.8	+96.4	-135.1	-197.2	-207.7	-204.4	-202.8

CAL YR 1972 MAX 640.9 MIN 146.3 (‡) +244.8
WTR YR 1973 MAX 1,575.6 MIN 146.3 (‡) +344.8

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, in thousands of acre feet.

07285000 Yalobusha River at Grenada Dam, near Grenada, Miss.

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw meridian, Grenada County, in gatehouse of Grenada Dam, 2.2 miles (3.5 km) upstream from Batupan Creek, 3 miles (5 km) northeast of Grenada, and 63.6 miles (102.3 km) upstream from mouth.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

PERIOD OF RECORD.--July 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) above mean sea level.

AVERAGE DISCHARGE.--20 years, 1,757 ft³/s (49.76 m³/s), 18.08 in/yr (459 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 4,900 ft³/s (139 m³/s) Apr. 27; minimum daily, 5.0 ft³/s (0.14 m³/s) at times.
Period of record: Maximum discharge, 4,900 ft³/s (139 m³/s) Apr. 27, 1973; no flow at times prior to Jan. 1, 1959.

REMARKS.--Flow completely regulated by Grenada Lake (see sta 07284500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,050	1,140	321	1,140	1,340	4,220	1,520	4,130	4,590	3,910	3,950	3,540
2	2,530	957	501	1,140	2,240	4,220	2,100	3,910	4,590	3,910	3,950	3,530
3	3,630	863	502	1,140	3,340	4,210	1,760	4,560	4,380	3,910	3,860	3,520
4	3,620	850	502	1,060	3,890	4,210	2,790	4,440	4,410	3,910	3,830	3,520
5	3,660	835	502	1,040	3,990	4,210	3,250	4,040	4,410	3,910	3,830	3,510
6	3,580	993	503	292	4,260	4,200	3,340	4,000	4,900	3,910	3,420	3,510
7	3,670	592	503	296	4,310	4,200	3,410	3,930	4,700	3,910	3,420	3,590
8	3,666	237	720	302	4,300	4,200	3,500	4,490	4,210	3,900	3,410	3,500
9	3,580	238	579	304	4,300	4,200	3,590	4,470	4,130	3,900	3,400	3,430
10	3,590	238	252	306	4,300	4,200	3,630	4,300	3,910	3,900	3,250	3,440
11	3,790	238	257	492	4,300	414	3,910	4,070	3,960	3,900	2,920	3,350
12	2,060	238	260	631	4,290	323	3,770	4,590	3,130	3,900	2,920	3,360
13	1,270	238	262	631	4,290	324	3,510	4,670	160	3,450	2,910	3,450
14	1,270	239	264	631	4,290	325	4,370	4,350	150	1,190	2,910	3,450
15	1,260	239	266	631	4,280	320	3,700	4,470	150	3,960	2,910	3,450
16	1,300	239	270	1,060	4,280	5.0	3,770	4,590	150	3,960	2,910	3,440
17	1,410	260	272	807	4,280	5.0	4,360	4,560	265	3,960	2,900	3,440
18	1,570	402	274	1,240	4,280	173	4,390	4,560	1,190	3,930	2,900	3,430
19	1,460	491	274	1,430	4,270	221	4,690	4,560	3,600	3,920	2,900	3,420
20	1,190	493	275	1,850	4,270	239	4,580	4,830	3,950	3,920	2,890	3,410
21	1,170	494	275	602	4,270	218	4,510	4,800	3,960	3,910	2,890	3,410
22	1,130	494	366	5.0	4,260	226	4,190	4,520	3,960	3,910	2,880	3,400
23	1,020	494	569	5.0	4,250	212	4,090	4,630	3,960	3,900	2,880	3,330
24	1,020	494	569	5.0	4,240	219	3,250	4,850	3,960	3,900	2,880	3,330
25	1,730	496	569	5.0	4,230	598	4,050	4,890	3,930	3,890	2,870	3,350
26	2,630	498	569	5.0	4,230	1,130	4,490	4,820	3,920	3,890	2,870	2,830
27	1,050	491	740	5.0	4,220	1,200	4,900	4,600	3,920	3,890	2,860	2,630
28	919	493	1,130	5.0	4,220	1,210	4,690	4,610	3,920	3,870	2,860	2,430
29	914	276	1,130	5.0	------	1,290	4,390	4,630	3,920	3,870	2,860	2,830
30	1,030	105	1,130	629	------	1,330	4,290	4,590	3,920	3,850	3,270	3,350
31	1,170	------	1,130	968	------	1,620	------	4,610	------	3,850	3,540	------
TOTAL	64,303	14,263	15,735	18,652.0	112,920	53,662.0	112,450	138,920	99,905	117,850	99,430	100,200
MEAN	2,074	475	508	602	4,033	1,725	3,749	4,479	3,330	3,802	3,207	3,340
MAX	3,790	1,140	1,130	1,860	4,310	4,220	4,900	4,890	4,900	3,960	3,950	3,590
MIN	914	105	252	5.0	1,340	5.0	1,520	3,910	150	1,190	2,860	2,430
(†)	-1,911	+830	+3,324	+6,884	-879	+11,140	+1,620	-2,197	-3,314	-3,378	-3,324	-3,408

CAL YR 1972 TOTAL 428,571.0 MEAN 1,171 MAX 3,950 MIN 5.0 (†) +337
WTR YR 1973 TOTAL 948,000.0 MEAN 2,597 MAX 4,900 MIN 5.0 (†) +476

† Change in contents, equivalent in cubic feet per second, in Grenada Lake (see sta 07284500).

07285900 Askalmore Creek at Retention Dam near Cascilla, Miss.

LOCATION.--Lat 33°55'01", long 89°59'48", in NE¼SE¼ sec.29, T.24 N., R.3 E., Choctaw meridian, Tallahatchie County, near outlet structure of retention dam on Askalmore Creek, 1.0 mile (1.6 km) upstream from Powers Creek, 4.2 miles (6.8 km) north of Cascilla, and 7.2 miles (11.6 km) southeast of Charleston.

DRAINAGE AREA.--10.5 mi^2 (27.2 km^2).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder and concrete drop inlet open on two sides located in pool. Datum of gage is 230.00 ft (70.104 m) above mean sea level (levels by Soil Conservation Service).

AVERAGE DISCHARGE.--7 years, 16.0 ft^3/s (0.453 m^3/s), 20.64 in/yr (524 mm/yr).

EXTREMES.--Current year: Maximum outflow, 620 ft^3/s (17.6 m^3/s) Mar. 16 (gage height, 27.75 ft or 8.458 m) from rating curve extended above 140 ft^3/s (3.96 m^3/s on basis of computation of flow through emergency spillway; minimum daily outflow, 0.49 ft^3/s (0.014 m^3/s) Aug. 24-25.
Period of record: Maximum outflow, 620 ft^3/s (17.6 m^3/s) Mar. 16, 1973 (gage height, 27.75 ft or 8.458 m); from rating curve extended above 140 ft^3/s (3.96 m^3/s on basis of computation of flow through emergency spillway; minimum daily outflow, 0.20 ft^3/s (0.006 m^3/s) July 16-22, 1971.

REMARKS.--Records good. Reservoir constructed by Soil Conservation Service for flood retention. Records of daily discharge are outflow from reservoir, determined from stage-discharge relation for outflow structure. Reservoir is formed by earthfill dam. Outlet structure consists of concrete drop inlet connected to a 36-inch concrete outlet pipe. The concrete inlet structure is open on opposite sides of the drop inlet with a concrete cover. Top of the drop inlet is at gage height 10.9 ft (3.32 m), emergency spillway at gage height, 26.10 ft (7.955 m). Normal pool area, 95 acres (384,000 m^2) with volume of 762 acre-ft (940,000 m^3). Flood pool area, 304 acres (1.23 km^2) with volume of 2,775 acre-ft (3.42 hm^3).

REVISIONS (WATER YEARS).--WRD Miss. 1970: 1969.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	2.6	4.5	9.9	79	3.5	45	44	2.0	.95	8.9	.95
2	1.1	49	3.1	6.8	32	24	17	20	1.8	.95	2.4	.95
3	.95	15	2.7	63	17	25	10	109	1.6	.95	1.4	.93
4	.83	4.9	2.4	56	12	31	7.5	27	1.2	1.5	.95	.92
5	.83	2.2	2.2	78	9.8	24	5.5	12	1.6	30	.83	.90
6	.83	1.8	16	127	7.8	35	4.6	7.2	1.6	45	.74	.95
7	.83	78	9.5	126	9.0	123	50	40	1.2	121	.73	1.0
8	.83	22	21	125	111	49	32	24	1.1	122	.73	1.1
9	.83	7.1	79	105	113	19	29	10	.95	44	.73	1.1
10	.83	3.1	113	27	31	18	19	5.8	.95	9.4	.57	1.1
11	.83	2.0	124	13	15	130	10	3.9	.95	3.2	.56	.95
12	.83	1.8	79	9.6	11	128	7.4	3.9	.95	1.7	.69	.73
13	.83	26	32	7.4	55	126	6.0	2.7	1.1	1.3	.94	.73
14	.95	21	73	6.8	47	125	4.9	2.2	1.2	1.5	12	.73
15	.95	6.8	126	6.7	23	132	4.1	1.9	1.2	1.4	6.8	.73
16	.95	3.1	120	5.8	14	414	75	1.6	1.1	77	2.0	.73
17	1.1	2.1	36	5.1	11	197	36	1.6	1.1	119	1.3	.73
18	1.1	33	14	5.1	9.8	136	49	1.6	1.4	29	.96	.56
19	.95	88	10	4.9	7.7	135	28	1.9	8.1	7.5	.83	.56
20	.95	18	10	4.1	6.6	135	14	21	16	2.3	.83	.56
21	.95	5.1	9.1	105	5.0	134	8.9	7.4	4.5	2.0	.72	.73
22	2.6	3.0	7.0	131	5.5	133	6.5	3.2	2.2	1.5	.63	.73
23	7.7	2.6	5.6	130	4.6	132	70	2.1	1.6	1.2	.56	.73
24	2.9	2.3	4.4	128	4.4	132	129	1.8	1.1	1.1	.49	.93
25	1.9	78	4.0	126	4.0	132	132	2.7	.95	.95	.49	.93
26	1.5	25	3.5	124	4.0	131	131	9.4	.95	.95	.53	.95
27	10	10	3.1	87	4.0	129	130	37	.95	.93	.56	.95
28	7.4	28	3.0	39	4.0	127	129	19	.95	.73	.58	1.1
29	3.3	15	3.0	20	------	125	127	6.5	.95	.73	.67	1.5
30	2.4	7.4	9.9	13	------	107	124	3.4	.95	2.0	.79	1.6
31	2.3	------	20	10	------	119	------	2.2	------	7.0	.95	------
TOTAL	61.95	563.9	950.0	1,705.2	659.2	3,400.5	1,438.6	436.0	62.20	639.54	51.88	27.00
MEAN	2.00	18.8	30.6	55.0	23.5	110	48.0	14.1	2.07	20.6	1.67	.90
MAX	10	88	126	131	113	414	132	109	16	122	12	1.6
MIN	.83	1.8	2.2	4.1	4.0	3.5	4.1	1.6	.95	.73	.49	.56
CFSM	.19	1.79	2.91	5.24	2.24	10.5	4.57	1.34	.20	1.96	.16	.09
IN.	.22	2.00	3.37	6.04	2.33	12.05	5.10	1.54	.22	2.26	.18	.10

CAL YR 1972 TOTAL 4,544.55 MEAN 12.4 MAX 129 MIN .43 CFSM 1.18 IN 16.10
WTR YR 1973 TOTAL 9,993.97 MEAN 27.4 MAX 414 MIN .49 CFSM 2.61 IN 35.40

07287000 Yazoo River at Greenwood, Miss.

LOCATION.--Lat 33°31'17", long 90°11'03", in NE¼SW¼ sec.10, T.19 N., R.1 E., Choctaw meridian, Leflore County, on left bank 110 ft (33.5 m) downstream from bridge on U.S. Highways 49E and 82 (old) in Greenwood, 0.4 mile (0.6 km) downstream from Palusha Bayou, 3 miles (5 km) downstream from confluence of Tallahatchie and Yalobusha Rivers, and at mile 170.8 (274.8 km).

DRAINAGE AREA.--7,450 mi² (19,300 km²), approximately.

PERIOD OF RECORD.--October 1907 to December 1912, April to June 1913, and October 1927 to current year in reports of Geological Survey. Monthly discharge only for some periods, published in WSP 1311. January 1909 to December 1927 (discharge measurements only), January 1928 to 1964 in reports of Mississippi River Commission, and since January 1947 in reports of Corps of Engineers. Gage-height records collected at same site since 1904 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 92.07 ft (28.063 m) above mean sea level. Prior to Oct. 1, 1940, nonrecording gages on highway bridges 110 ft (33.5 m) upstream at various datums.

AVERAGE DISCHARGE.--51 years (1907-12, 1927-73), 9,929 ft³/s (281.2 m³/s), 18.10 in/yr (460 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum daily discharge, 43,800 ft³/s (1,240 m³/s) Mar. 21; maximum gage height, 38.37 ft (11.695 m) Mar. 20, 21; minimum daily discharge, 6,470 ft³/s (183 m³/s) Oct. 31 (gage height, 16.33 ft or 4.977 m).

Period of record: Maximum discharge, 72,900 ft³/s (2,060 m³/s) Jan. 19, 1932 (gage height, 40.10 ft or 12.222 m); minimum, 536 ft³/s (15.2 m³/s) Oct. 20, 1943; minimum gage height observed, 1.0 ft (0.305 m) Oct. 17, 1908, present datum.

Maximum stage known, 41.2 ft (12.56 m) in 1882, caused by overflow from Mississippi River (discharge not determined), from reports of Mississippi River Commission.

REMARKS.--Flow partly regulated since Aug. 26, 1939, by Sardis Lake on Tallahatchie River (see sta 07272000), Enid Lake on Yocona River (see sta 07274500), Arkabutla Lake on Coldwater River (see sta 07278000), and Grenada Lake on Yalobusha River (see sta 07284500).

COOPERATION.--Thirty discharge measurements and records of daily discharge furnished by Corps of Engineers. Records reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,980	6,650	14,000	18,400	21,100	20,500	33,700	27,700	24,500	13,800	16,300	13,900
2	6,920	8,000	13,500	19,100	21,000	20,200	32,100	28,100	24,300	14,200	16,300	14,100
3	6,820	8,580	13,200	19,900	20,900	20,000	30,700	28,600	24,200	14,200	16,200	14,200
4	6,910	8,640	12,900	20,600	20,900	20,300	30,500	29,100	24,200	14,300	16,100	14,400
5	6,930	8,470	12,400	21,200	20,600	20,500	30,400	29,700	23,900	14,700	15,900	14,300
6	6,960	8,170	12,100	22,100	20,500	20,500	29,900	30,200	23,600	15,100	15,700	14,200
7	6,890	8,710	12,400	22,900	20,400	21,000	29,300	30,900	23,200	15,600	15,400	14,200
8	6,960	10,700	11,700	23,500	20,900	21,300	28,500	31,200	22,900	16,200	15,500	14,100
9	6,920	11,400	12,200	23,800	21,300	21,800	27,900	31,500	22,700	16,300	15,600	14,100
10	6,890	11,800	15,500	23,700	21,500	21,900	27,200	31,700	22,600	16,300	15,500	14,000
11	6,890	12,000	16,700	23,200	21,900	22,700	26,400	31,900	22,200	16,400	15,500	14,000
12	6,860	12,200	16,900	22,900	22,100	23,000	25,600	32,400	21,900	16,400	15,400	14,000
13	6,560	12,500	17,000	22,100	22,400	23,400	24,900	32,500	21,700	16,400	15,600	13,900
14	6,540	13,300	17,800	21,700	23,000	24,400	24,100	32,600	21,500	16,300	15,600	13,900
15	6,930	13,300	19,500	21,000	23,000	26,900	24,000	32,600	20,900	16,100	15,200	13,900
16	7,090	12,900	20,000	20,400	23,000	27,800	23,900	32,300	19,700	15,900	15,000	13,900
17	7,140	12,500	19,900	20,200	22,900	32,500	23,700	31,500	18,700	16,000	14,800	13,900
18	7,230	12,700	19,600	20,100	22,900	39,200	24,000	30,400	15,900	16,000	14,300	13,700
19	7,080	13,900	19,300	20,000	22,700	41,000	23,900	29,900	15,300	15,900	14,000	13,700
20	6,870	13,400	19,000	19,900	22,500	42,600	23,700	28,900	16,000	15,900	14,000	13,600
21	6,660	13,700	18,900	20,300	22,300	43,800	23,600	28,500	15,900	15,700	14,000	13,600
22	6,810	13,500	18,700	22,400	22,100	43,000	23,400	27,600	15,900	15,500	14,000	13,500
23	7,310	13,300	18,500	23,100	22,000	41,900	23,100	27,100	15,200	15,200	14,000	13,500
24	7,210	13,000	18,400	23,200	21,900	40,200	23,100	26,800	14,900	15,000	14,000	13,500
25	6,960	13,500	18,300	22,900	21,700	39,900	24,200	26,500	14,900	14,900	14,000	13,200
26	7,940	14,000	18,200	22,400	21,500	39,000	25,400	26,300	14,500	14,700	13,900	12,900
27	7,940	13,900	18,000	22,100	21,300	38,200	26,400	25,800	14,400	14,700	13,700	12,300
28	7,840	14,900	17,900	21,900	21,000	37,500	26,700	25,300	14,300	14,600	13,600	11,900
29	7,410	15,000	17,600	21,400	------	36,800	27,000	25,100	14,100	14,500	13,500	11,100
30	6,850	14,700	17,600	21,300	------	35,500	27,300	24,900	13,900	14,800	13,600	10,300
31	6,470	------	17,700	21,300	------	34,500	------	24,900	------	15,100	13,800	------
TOTAL	216,730	359,320	515,200	669,000	608,900	941,000	794,300	902,200	579,500	476,600	460,300	405,500
MEAN	6,991	11,980	16,620	21,580	21,750	30,390	26,480	29,100	19,320	15,370	14,850	13,520
MAX	7,940	15,000	20,000	23,800	23,000	43,800	33,700	32,600	24,500	16,400	16,300	14,400
MIN	6,470	6,650	11,700	18,400	20,400	20,000	23,100	24,900	13,900	13,800	13,500	10,300

CAL YR 1972 TOTAL 2,899,340 MEAN 7,922 MAX 20,000 MIN 2,250 (†) +1,917
WTR YR 1973 TOTAL 6,929,350 MEAN 18,980 MAX 43,800 MIN 6,470 (†) +1,133

† Change in contents, equivalent in cubic feet per second, in Sardis, Enid, Arkabutla, and Grenada Lakes (see stas 07272000, 07274500, 07278000, and 07284500).

07288500 Big Sunflower River at Sunflower, Miss.
(Formerly published as Sunflower River at Sunflower, Miss.)

LOCATION.--Lat 33°32'50", long 90°32'35", in NE¼ sec.6, T.19 N., R.3 W., Choctaw meridian, Sunflower County, near right bank on downstream side of highway bridge, 0.5 mile (0.8 km) northwest of Sunflower, 2.5 miles (4.0 km) downstream from Jones Bayou, and 19 miles (31 km) upstream from Quiver River.

DRAINAGE AREA.--767 mi² (1,987 km²).

PERIOD OF RECORD.--October 1935 to current year in reports of Geological Survey. Prior to October 1938 monthly discharge only published in WSP 1311. February 1918 to September 1935 (gage heights only) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 92.95 ft (28.331 m) above mean sea level (levels by Corps of Engineers). Prior to Nov. 28, 1934, nonrecording gage on upstream side of bridge at datum 93.00 ft (28.346 m) lower. Nov. 28, 1934, to June 30, 1947, nonrecording gage on upstream side of bridge at present datum.

AVERAGE DISCHARGE.--38 years, 992 ft³/s (28.1 m³/s), 17.56 in/yr (446 mm/yr).

EXTREMES.--Current year: Maximum daily discharge, 15,000 ft³/s (425 m³/s) Mar. 18; maximum gage height, 28.37 ft (8.647 m) Mar. 18; minimum daily discharge, 96 ft³/s (2.72 m³/s) Oct 20, 21; minimum gage height, 1.28 ft (0.390 m) Oct. 21.

Period of record: Maximum daily discharge, 15,000 ft³/s (425 m³/s) Mar. 18, 1973; maximum gage height, 28.37 ft (8.647 m) Mar. 18, 1973; minimum discharge, 81 ft³/s (2.29 m³/s) Aug. 16, 1954, Aug. 9, 10, 1956; minimum gage height, 0.78 ft (0.238 m) Oct. 15, 1967.

REMARKS.--Diversion for irrigation of about 5,000 acres (20.2 km²) and withdrawal of an average of about 6 ft³/s (0.17 m³/s) for industrial use above station. At times streamflow is augmented by waste irrigation water which is pumped from wells.

COOPERATION.--Twenty-one discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS.--WSP 1211: Drainage area. WRD Miss. 1970: 1969(m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	218	2,360	2,170	2,020	430	4,160	6,600	1,120	255	930	350
2	103	386	1,990	2,690	2,910	500	3,960	5,900	1,120	243	1,020	320
3	103	562	1,680	2,790	3,350	900	3,500	5,900	967	240	1,190	296
4	103	652	1,340	2,900	3,170	1,410	3,120	5,540	738	250	1,210	275
5	103	658	1,100	3,220	2,760	1,800	2,730	5,020	502	298	1,060	263
6	103	598	920	4,910	2,310	2,030	2,440	4,300	520	300	460	255
7	106	1,430	810	5,930	1,950	2,830	2,040	3,650	659	490	610	292
8	103	3,120	750	6,650	1,990	3,360	1,980	3,330	629	580	665	327
9	103	4,710	1,430	6,200	2,960	3,420	1,720	3,100	606	530	369	355
10	103	4,820	3,010	5,280	3,500	3,220	1,560	2,960	390	450	360	268
11	103	4,860	4,520	4,700	3,540	4,220	1,430	2,590	383	396	272	238
12	103	4,320	5,180	3,930	3,380	5,650	1,300	2,490	660	315	257	249
13	103	3,960	5,460	3,120	3,030	6,140	1,230	2,010	598	243	300	219
14	103	3,960	5,570	2,340	3,480	6,050	995	1,550	961	219	354	198
15	103	3,740	6,540	1,700	4,050	7,930	885	1,230	917	226	627	191
16	103	3,300	7,230	1,310	4,100	12,700	1,240	1,030	759	311	640	180
17	103	2,800	7,300	900	3,560	14,900	1,730	900	529	1,830	656	177
18	103	2,580	6,320	710	3,020	15,000	2,730	790	530	2,650	532	159
19	103	3,540	5,700	620	2,550	14,500	4,260	768	691	2,670	606	157
20	96	4,200	5,020	600	2,090	13,400	5,040	715	789	2,190	313	158
21	96	4,370	4,470	1,310	1,700	12,000	4,950	658	900	1,640	263	153
22	103	4,000	3,980	2,990	1,370	10,600	4,130	610	590	1,290	237	158
23	114	3,590	3,520	4,380	1,110	8,600	3,980	530	569	925	218	153
24	118	3,120	3,000	4,890	990	4,820	5,520	541	465	640	219	153
25	114	2,950	2,580	4,510	740	6,160	8,360	500	397	457	205	153
26	110	3,200	2,140	4,250	530	5,660	9,530	454	349	350	201	168
27	130	3,240	1,820	4,060	554	5,120	9,980	520	313	292	190	166
28	146	3,160	1,560	3,750	475	4,570	9,920	635	293	252	196	162
29	180	2,990	1,340	3,190	------	4,260	8,240	950	277	250	197	160
30	180	2,690	1,160	2,580	------	4,160	7,600	1,190	269	308	219	138
31	180	------	1,450	2,030	------	4,290	------	1,230	------	733	308	------
TOTAL	3,527	87,724	101,210	100,590	67,089	190,540	119,660	68,311	17,547	21,952	14,663	6,516
MEAN	114	2,924	3,265	3,245	2,396	6,146	3,989	2,204	585	708	473	217
MAX	180	4,860	7,300	6,650	4,100	15,000	9,980	6,600	1,120	2,670	1,210	355
MIN	96	218	750	600	475	430	885	454	269	226	190	138
CFSM	.15	3.81	4.26	4.23	3.12	8.01	5.20	2.87	.76	.92	.62	.29
IN.	.17	4.25	4.91	4.88	3.25	9.24	5.80	3.31	.85	1.06	.71	.32

CAL YR 1972 TOTAL 344,101 MEAN 940 MAX 9,180 MIN 96 CFSM 1.23 IN 16.68
WTR YR 1973 TOTAL 799,399 MEAN 2,190 MAX 15,000 MIN 96 CFSM 2.86 IN 38.77

07289000 Mississippi River at Vicksburg, Miss.

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 miles (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,144,500 mi² (2,964,300 km²).

PERIOD OF RECORD.--Discharge: January 1928 to current year. Prior to July 1931, monthly discharge only, published in WSP 1311.
Gage heights: April 1930 to current year in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 miles (1.8 km) upstream in reports of Corps of Engineers. Since May 1873, in reports of U.S. Weather Bureau.
Extremes of stage, intermittently 1828 to 1871, and since 1871; extremes of discharge for various years 1858 to 1926 and since 1926; annual mean discharges since 1871; and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

GAGE.--Water-stage recorder (bridge gage) maintained by Geological Survey. Jan. 1, 1963, to Dec. 31, 1967, supplementary water-stage recorder on left bank near downstream side of bridge, and since Jan. 1, 1968, on left bank at site 1.1 miles (1.8 km) upstream, maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) above mean sea level (Corps of Engineers bench mark) or 46.16 ft (14.070 m) above mean gulf level. Gages used by Mississippi River Commission: Dec. 10, 1871, to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 miles (2.4 km) upstream from bridge gage; since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft (490 m) upstream from mouth. Gages used by U.S. Weather Bureau: May 18, 1873, to Oct. 29, 1919, nonrecording gage 0.5 mile (0.8 km) upstream from bridge gage; Oct. 30, 1919, to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal; Dec. 1, 1922, to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal; Sept. 1, 1934, to Dec. 31, 1962, nonrecording gage at bridge; Jan. 1, 1963, to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, and since Jan. 1, 1968, on left bank at site 1.1 miles (1.8 km) upstream.
All gages at same datum, but readings differ due to slope of water surface between them.

AVERAGE DISCHARGE.--45 years, 562,400 ft³/s (15,930 m³/s), 407,500,000 acre-ft/yr (502 km³/yr).

EXTREMES.--Current year: Maximum daily discharge, 1,962,000 ft³/s (55,600 m³/s) May 12; maximum gage height, 50.67 ft or 15.444 m May 14, at bridge gage, 53.10 ft or 16.185 m at supplementary recorder; minimum daily discharge, 291,000 ft³/s (8,240 m³/s) Sept. 26, minimum gage height, 9.00 ft (2.743 m) at supplementary recorder.
Period of record: Maximum discharge, 2,080,000 ft³/s (58,900 m³/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft³/s (2,820 m³/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above). ✓
Maximum stage known since at least 1871, 58.4 ft (17.80 m), Corps of Engineers gage on Yazoo diversion canal; approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

REMARKS.--Records excellent. Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Supplementary gage-height record, one hundred nineteen discharge measurements, and records of daily discharge furnished by Corps of Engineers. Records reviewed by Geological Survey.

REVISIONS.--WSP 747: Drainage area.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.10	13.98	33.10	38.61	36.92	34.71	48.10	51.55	48.27	35.73	23.90	14.25
2	11.97	14.26	32.79	38.58	37.35	33.20	48.40	51.70	47.68	34.90	24.80	13.90
3	11.97	14.97	32.46	38.60	37.60	31.40	48.79		46.95	33.70	25.11	13.55
4	11.95	16.35	32.09	38.55	37.72	29.69	49.10		46.35	32.50	25.03	12.93
5	11.98	18.68	31.69	38.50	37.88	28.43	49.32	52.09	45.83	31.51	24.52	12.55
6	12.37	20.14	31.30	38.50	37.80	27.49	49.51	52.20	45.49	30.67	23.85	12.45
7	12.90	21.23	30.79	38.52	37.72	27.09	49.85	52.40	45.18	29.90	22.91	12.02
8	13.58	22.36	30.43	38.68	37.68	26.90	50.10	52.58	45.01	29.18	21.91	11.80
9	13.93	23.93	30.12	38.76	37.60	27.13	50.25	52.70	44.94	28.30	20.72	11.70
10	14.40	25.81	29.90	38.80	37.60	27.58	50.30	52.80	44.90	27.02	19.43	11.95
11	14.39	27.24	30.20	38.90	37.72	28.55	50.30	52.87	44.89	25.88	18.25	12.10
12	15.31	28.03	30.64	38.94	38.00	29.80	50.38	52.95	44.80	25.10	17.35	12.00
13	15.50	28.54	31.10	38.90	38.32	31.50	50.34	53.07	44.73	24.80	16.38	11.90
14	15.47	28.85	31.44	38.72	38.82	33.42	50.28	53.10	44.63	24.90	15.71	11.42
15	15.32	28.75	32.22	38.50	39.10	35.18	50.25	53.07	44.51	24.50	15.12	11.08
16	15.00	28.70	32.97	38.15	39.28	37.30	50.30	53.00	44.30	23.76	14.75	11.00
17	14.82	28.84	33.70	37.67	39.35	38.40	50.22	53.00	44.02	22.99	14.70	11.18
18	14.64	29.14	34.39	36.98	39.44	39.28	50.37	52.86	43.79	22.17	15.05	10.92
19	14.32	29.70	35.13	36.10	39.47	40.15	50.28	52.72	43.36	21.57	15.74	10.55
20	13.80	30.47	35.68	34.92	39.35	40.95	50.10	52.60	42.97	21.03	15.45	10.58
21	13.30	31.15	36.42	33.80	39.15	41.50	50.00	52.40	42.50	20.40	16.90	10.28
22	12.83	31.66	37.02	32.31	38.92	42.10	50.05	52.23	41.91	19.71	17.12	10.02
23	12.70	32.47	37.40	30.98	38.80	42.60	50.12	51.98	41.19	19.00	17.16	9.90
24	12.41	32.80	37.78	30.48	38.55	43.20	50.25	51.69	40.50	18.40	17.30	9.78
25	12.33	32.98	38.10	30.82	38.21	44.12	50.45	51.40	39.75	17.80	17.00	9.53
26	12.69	33.09	38.29	31.72	37.72	44.80	50.70	51.11	38.99	17.36	16.60	9.10
27	13.27	33.11	38.42	32.60	37.08	45.34	50.90	50.74	38.21	17.00	16.25	9.15
28	13.64	33.28	38.50	33.80	38.00	45.89	51.10	50.42	37.63	17.30	15.80	9.26
29	13.79	33.22	38.55	34.68	------	46.49	51.25	49.88	37.09	18.35	15.10	9.52
30	13.87	33.30	38.60	35.41	------	47.09	51.40	49.41	36.50	20.33	14.95	9.93
31	13.98	------	38.62	36.18	------	47.62	------	48.80	------	22.30	14.60	------

NOTE.--Gage heights based on records of supplementary recorder.

07289000 Mississippi River at Vicksburg, Miss.--Continued

DISCHARGE, IN THOUSANDS OF CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	384	438	1,024	1,238	1,129	945	1,670	1,870	1,512	907	616	367
2	389	451	1,006	1,216	1,158	898	1,688	1,892	1,47[illegible]	861	642	358
3	385	473	974	1,218	1,165	842	1,705	1,897	1,440	833	648	348
4	381	538	955	1,213	1,160	790	1,720	1,904	1,409	811	640	339
5	382	583	932	1,211	1,150	747	1,731	1,911	1,377	792	622	338
6	387	604	912	1,212	1,150	727	1,742	1,909	1,362	773	606	338
7	399	636	894	1,214	1,148	721	1,755	1,907	1,361	760	580	337
8	410	673	887	1,217	1,147	720	1,770	1,916	1,359	740	550	337
9	418	733	875	1,218	1,128	761	1,783	1,930	1,344	693	512	335
10	429	788	884	1,220	1,130	790	1,780	1,940	1,348	649	490	336
11	442	822	901	1,222	1,145	823	1,779	1,952	1,354	624	460	338
12	450	847	928	1,225	1,173	853	1,779	1,962	1,345	629	432	333
13	453	868	944	1,223	1,184	921	1,780	1,940	1,330	634	399	330
14	448	863	966	1,219	1,198	987	1,784	1,927	1,309	634	387	328
15	440	859	1,005	1,215	1,209	1,048	1,790	1,930	1,288	620	378	327
16	435	860	1,030	1,202	1,216	1,126	1,796	1,934	1,272	584	371	320
17	434	867	1,064	1,165	1,222	1,158	1,797	1,931	1,271	561	391	322
18	432	880	1,100	1,104	1,226	1,190	1,799	1,913	1,270	542	417	321
19	425	900	1,115	1,043	1,226	1,234	1,793	1,900	1,250	529	429	320
20	417	918	1,140	990	1,221	1,253	1,788	1,876	1,211	518	436	319
21	405	944	1,166	935	1,206	1,280	1,783	1,846	1,181	509	441	317
22	398	974	1,182	883	1,194	1,307	1,760	1,847	1,148	490	447	313
23	391	1,014	1,195	860	1,180	1,337	1,745	1,855	1,113	469	450	309
24	388	1,023	1,209	851	1,160	1,365	1,760	1,820	1,079	453	450	299
25	391	1,029	1,219	870	1,138	1,394	1,792	1,785	1,039	441	437	293
26	403	1,033	1,226	936	1,113	1,432	1,810	1,752	1,010	441	430	291
27	419	1,037	1,237	961	1,060	1,465	1,822	1,685	984	441	424	295
28	420	1,037	1,241	995	1,005	1,510	1,836	1,642	971	461	412	300
29	426	1,033	1,245	1,039	------	1,556	1,842	1,622	959	494	400	305
30	430	1,030	1,251	1,068	------	1,600	1,851	1,599	948	536	388	309
31	434	------	1,250	1,098	------	1,654	------	1,560	------	580	376	------
TOTAL	12,845	24,755	32,957	34,281	32,541	34.434	53,230	57,354	37,323	19,009	14,661	9,717
MEAN	414	825	1,063	1,106	1,162	1,111	1,774	1,850	1,244	613	473	324
MAX	453	1,037	1,251	1,238	1,226	1,654	1,851	1,962	1,512	907	648	367
MIN	381	438	875	851	1,005	720	1,670	1,560	948	441	371	291
AC-FT	25,480	49,100	65,370	68,000	64,540	68,300	105,580	113,760	74,030	37,700	29,080	19,270

CAL YR 1972 TOTAL 236,425 MEAN 646.0 MAX 1,251 MIN 303.0 AC-FT 468,900
WTR YR 1973 TOTAL 363,107 MEAN 994.8 MAX 1,962 MIN 291.0 AC-FT 720,200

NOTE.--Discharge computed from records of supplementary recorder.

07289350 Big Black River at West, Miss.

LOCATION.--Lat 33°11'39", long 89°46'15", in NW¼ sec.3, T.15 N., R.5 E., Choctaw meridian, Attala County, on downstream side of bridge on State Highway 19, 0.2 mile (0.3 km) east of West, 5.2 miles (8.4 km) upstream from Jordon Creek, and 7.1 miles (11.4 km) downstream from Zilpha Creek.

DRAINAGE AREA.--985 mi² (2,551 km²).

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft (76.121 m) above mean sea level. Prior to June 10, 1948, nonrecording gage ; and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft (610 m) downstream at same datum.

EXTREMES.--Current year: Maximum discharge, 57,700 ft³/s (1,630 m³/s) Mar. 16 (gage height, 25.11 ft or 7.654 m); minimum, 44 ft³/s (1.25 m³/s) Oct. 19, 20 (gage height, 1.23 ft or 0.37 m).

Period of record: Maximum discharge, 57,700 ft³/s (1,630 m³/s) Mar. 16, 1973 (gage height, 25.11 ft or 7.654 m); minimum discharge, 40 ft³/s (1.13 m³/s) Sept. 16, 1972 (gage height, 1.12 ft or 0.341 m).

Flood of March 30, 1951, reached a stage of 24.09 ft or 7.343 m (47,000 ft³/s or 1,330 m³/s). Minimum gage height observed, 0.38 ft (0.116 m) Sept. 22, 23, 1956 (from reports of Corps of Engineers, Vicksburg district).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	302	129	853	1,810	1,560	469	3,400	3,310	942	54	1,530	118
2	250	108	465	1,720	2,530	692	2,960	2,230	504	94	1,060	98
3	129	122	319	2,660	2,510	1,210	2,260	2,790	428	93	479	99
4	82	138	268	6,230	2,100	1,500	1,510	2,800	339	97	225	90
5	73	148	262	7,508	2,360	2,340	956	1,400	273	395	145	76
6	78	115	268	12,500	2,570	2,220	743	900	235	441	119	91
7	82	309	297	15,500	1,950	2,960	1,440	1,450	210	279	95	99
8	72	827	286	18,400	1,200	3,470	2,940	2,330	193	248	92	93
9	62	576	339	15,500	1,450	3,300	3,260	2,990	176	461	86	94
10	56	336	1,510	12,300	1,480	3,390	3,280	2,940	160	347	95	94
11	52	195	2,730	9,800	1,510	4,840	3,680	3,270	156	246	88	78
12	50	144	3,180	7,620	1,290	6,720	3,530	3,470	254	257	79	70
13	49	139	3,090	5,900	1,050	4,620	2,990	3,710	409	158	139	55
14	48	494	3,120	3,670	2,770	4,530	1,480	3,390	1,270	385	119	54
15	46	320	4,080	3,088	4,310	7,180	910	3,000	598	314	162	53
16	46	233	6,600	1,790	5,240	32,200	1,020	2,270	343	236	355	53
17	45	170	5,120	961	7,220	49,100	1,900	1,110	235	244	229	52
18	45	229	4,360	740	7,100	33,600	2,510	587	184	504	302	51
19	45	1,160	4,720	718	5,540	20,600	4,240	458	158	424	245	50
20	45	1,080	3,860	716	3,560	11,100	4,700	459	154	228	209	58
21	46	695	3,840	1,530	3,060	7,520	5,020	569	131	190	140	56
22	52	407	3,220	3,680	1,540	5,180	5,580	642	119	129	108	55
23	391	268	2,580	5,040	949	3,520	4,780	543	109	100	94	55
24	518	211	1,800	3,760	692	3,000	3,700	424	102	84	90	54
25	378	341	1,230	4,600	520	5,070	4,300	391	96	90	82	52
26	183	833	763	4,260	560	7,640	8,450	354	90	107	79	52
27	122	740	583	3,570	526	7,840	11,200	557	89	87	75	52
28	290	956	498	3,150	504	8,050	9,680	1,490	87	98	75	56
29	434	1,440	448	2,770	------	7,100	8,600	1,530	86	113	84	70
30	264	1,240	554	2,200	------	5,730	7,600	1,470	84	427	113	256
31	166	------	1,570	1,790	------	3,870	------	1,420	------	1,340	219	------
TOTAL	4,501	14,103	62,813	165,457	67,951	250,561	118,419	54,134	8,213	8,280	7,013	2,313
MEAN	145	470	2,026	5,337	2,427	8,405	3,947	1,746	274	267	226	77.1
MAX	518	1,440	6,600	18,400	7,220	49,100	11,200	3,710	1,270	1,340	1,530	256
MIN	45	108	262	718	504	469	743	354	84	90	75	52
CFSM	.15	.48	2.06	5.42	2.46	8.53	4.01	1.77	.28	.27	.23	.08
IN.	.17	.53	2.37	6.25	2.57	9.84	4.47	2.04	.31	.31	.26	.09

CAL YR 1972 TOTAL 469,169 MEAN 1,282 MAX 29,600 MIN 41 CFSM 1.30 IN 17.72
WTR YR 1973 TOTAL 773,758 MEAN 2,120 MAX 49,100 MIN 45 CFSM 2.15 IN 29.22

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-08	1300	21.58	19,500	04-27	About 1200	20.10	11,400
03-16	2400	25.11	57,700				

07290000 Big Black River near Bovina, Miss.

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.15 N., R.5 E., Washington meridian, Hinds County, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft (90 m) upstream from Clear Creek, 0.4 mile (0.6 km) upstream from Illinois Central Railroad bridge, 2 miles (3 km) east of Bovina, 12 miles (19 km) upstream from Fourteenmile Creek, and at mile 61.7 (99.3 km). Records include flow of Clear Creek.

DRAINAGE AREA.--2,810 mi² (7,280 km²), approximately (includes that of Clear Creek).

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft (25.887 m) above mean sea level, or 85.00 ft (25.908 m) above mean Gulf level (levels by Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--37 years, 3,412 ft³/s (96.63 m³/s) 16.49 in/yr (419 mm/yr).

EXTREMES.--Current year: Maximum discharge, 46,800 ft³/s (1,330 m³/s) Mar. 21 (gage height, 39.29 ft or 11.976 m); minimum, 173 ft³/s (4.90 m³/s) Sept. 28, 29 (gage height, 6.80 ft or 2.073 m).
Period of record: Maximum discharge, 63,500 ft³/s (1,800 m³/s) Dec. 20, 1961 (gage height, 40.53 ft or 12.354 m); minimum, 65 ft³/s (1.84 m³/s) Oct. 2, 1954 (gage height, 5.98 ft or 1.823 m).
From information by local residents, floods at Askews Bridge, 6 miles (10 km) upstream, reached elevations above mean sea level as follows: Dec. 20, 1961, 139.2 ft (42.43 m); in 1912 and in January 1927, 139 ft (42.4 m); Apr. 1, 1951, 138.5 ft (42.21 m). A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WRD Miss. 1968: 1966-67.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,600	453	1,220	6,070	8,520	1,780	17,100	9,130	4,080	702	375	393
2	1,150	635	1,500	5,670	9,480	1,880	14,700	8,410	3,220	850	486	512
3	747	696	1,590	6,830	9,450	2,190	12,700	9,550	2,440	641	795	504
4	580	546	1,390	8,390	9,260	2,920	11,300	9,410	2,250	453	1,330	397
5	495	486	1,100	8,590	9,150	4,180	10,100	9,140	1,960	339	1,380	527
6	459	429	858	9,380	8,920	4,500	9,200	8,930	1,430	1,030	1,080	800
7	417	555	721	10,400	8,500	6,370	9,980	10,300	1,030	965	766	460
8	363	788	699	12,100	8,370	6,190	10,100	11,500	924	603	569	331
9	324	628	692	13,000	8,150	6,250	9,430	11,600	702	474	492	275
10	293	522	1,320	14,800	7,330	6,030	8,600	11,300	925	561	439	252
11	274	747	4,420	17,100	5,520	8,990	7,830	10,900	569	571	379	446
12	264	873	5,370	19,700	3,980	9,650	7,070	9,870	702	510	360	357
13	251	1,100	5,640	24,000	3,110	9,840	6,460	8,850	509	492	326	599
14	243	1,720	5,740	26,100	6,160	10,300	5,940	8,070	592	495	303	405
15	233	1,640	7,560	25,200	7,230	10,900	5,280	7,400	744	492	301	306
16	219	1,310	8,270	23,100	7,270	25,500	5,950	6,350	983	471	309	250
17	207	881	8,190	20,500	7,220	30,900	8,260	5,250	1,190	450	424	232
18	203	712	8,260	17,900	7,090	35,600	10,400	4,670	1,260	757	433	214
19	199	619	8,060	15,900	6,950	37,200	10,500	4,340	942	670	414	201
20	194	531	8,550	14,000	6,940	40,000	10,300	3,690	589	609	576	196
21	188	949	11,000	12,800	7,000	44,900	10,200	2,540	580	519	782	191
22	259	1,620	11,400	12,400	6,980	45,700	10,300	1,820	514	531	705	199
23	705	1,640	11,600	11,500	6,740	41,800	10,200	1,550	459	546	569	197
24	667	1,310	12,000	10,800	6,320	38,400	10,000	2,050	417	483	455	186
25	702	1,110	12,400	10,100	5,910	33,400	10,000	2,720	390	435	394	182
26	715	1,180	12,200	9,360	5,570	28,700	9,930	3,490	363	402	343	180
27	770	1,340	11,700	8,700	5,140	27,000	9,470	3,830	333	372	311	177
28	869	1,410	11,100	8,200	3,140	25,600	8,920	4,090	315	359	299	174
29	712	1,380	10,400	7,840	------	24,200	8,360	4,050	312	349	276	173
30	555	1,260	9,170	7,440	------	22,400	8,170	4,150	351	333	270	215
31	477	------	7,290	6,890	------	19,900	------	4,210	------	333	284	------
TOTAL	15,334	29,070	201,390	404,760	195,500	613,060	286,550	202,210	31,357	16,807	16,201	9,329
MEAN	495	969	6,496	13,060	6,982	19,780	9,552	6,523	1,045	542	523	311
MAX	1,600	1,720	12,400	26,100	9,480	45,700	17,100	11,600	4,080	1,030	1,380	800
MIN	188	429	692	5,670	3,110	1,780	5,280	1,550	312	333	270	173
CFSM	.18	.34	2.31	4.65	2.48	7.04	3.40	2.32	.37	.19	.19	.11
IN.	.20	.38	2.67	5.36	2.59	8.12	3.79	2.58	.42	.22	.21	.12

CAL YR 1972 TOTAL 1,371,152 MEAN 3,746 MAX 37,400 MIN 188 CFSM 1.33 IN 18.15
WTR YR 1973 TOTAL 2,021,568 MEAN 5,539 MAX 45,700 MIN 173 CFSM 1.97 IN 26.76

07290650 Bayou Pierre near Willows, Miss.

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington meridian, Claiborne County, near right bank at downstream side of bridge on county highway, 1.4 miles (2.3 km) upstream from South Fork Bayou Pierre, and 1.7 miles (2.7 km) southeast of Willows.

DRAINAGE AREA.--653 mi² (1,691 km²).

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft (25.097 m) above mean sea level. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--12 years (1961-73), 732 ft³/s (20.73 m³/s), 15.22 in/yr (387 mm/yr).

EXTREMES.--Current year: Maximum discharge, 27,600 ft³/s (782 m³/s) March 25 (gage height, 24.65 ft or 7.513 m); minimum daily, 32 ft³/s (0.91 m³/s) Oct. 17.

Period of record: Maximum discharge, 31,900 ft³/s (903 m³/s) Dec. 7, 1971 (gage height, 25.80 ft or 7.864 m); maximum gage height, 27.42 ft (8.358 m) Oct. 5, 1964; minimum discharge, 19 ft³/s (0.54 m³/s) Oct. 6, 1969; minimum gage height, 2.17 ft (0.661 m) Nov. 4, 5, 6, 1971.

REMARKS.--Records fair, except those for periods of doubtful or no gage-height record, which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	60	100	2.010	11.000	246	1.580	696	1.380	94	99	76
2	87	431	90	1.890	5.090	1.430	1.520	1.200	450	90	97	77
3	65	203	75	4.650	2.450	818	690	7.250	270	98	85	208
4	62	120	75	4.320	1.350	4.110	564	2.590	232	87	79	215
5	56	92	80	2.020	677	2.540	459	1.610	213	98	71	196
6	48	72	611	2.510	545	1.270	340	905	206	342	65	275
7	44	221	535	2.190	470	2.930	10.700	10.500	185	313	66	196
8	43	400	502	8.950	557	2.030	4.930	16.700	175	156	72	117
9	41	149	255	2.480	2.470	1.960	2.390	5.730	225	120	75	95
10	39	98	689	1.530	1.530	996	1.080	2.770	272	103	64	94
11	38	78	1.960	879	1.030	11.700	658	1.320	193	94	59	94
12	37	67	616	695	627	3.240	562	987	188	102	360	127
13	36	154	2.050	564	569	1.610	522	800	219	97	270	162
14	35	564	781	478	8.080	966	479	650	293	115	277	153
15	34	212	8.090	427	3.310	797	436	580	377	87	345	198
16	33	141	2.120	383	2.590	6.170	11.600	520	259	78	162	124
17	32	103	861	351	1.090	4.150	14.500	450	183	74	152	94
18	34	85	415	333	734	2.500	17.200	390	163	94	612	93
19	36	81	323	393	623	1.520	6.270	350	141	93	320	74
20	38	75	3.000	725	535	832	3.280	310	127	92	147	59
21	39	71	20.800	2.650	449	736	1.470	294	470	76	98	56
22	56	70	13.900	1.340	396	634	982	310	352	73	79	56
23	1.060	67	3.640	668	370	515	700	330	178	119	69	58
24	280	65	1.670	444	345	4.600	626	2.330	138	92	63	70
25	195	380	829	357	321	22.900	8.360	2.350	121	99	59	73
26	103	649	614	491	299	13.100	10.900	1.230	111	120	57	71
27	118	270	491	557	286	3.180	5.460	618	105	120	58	70
28	125	178	413	580	260	1.440	2.330	1.610	102	106	60	92
29	81	137	363	526	------	915	1.200	611	101	406	139	398
30	76	108	495	413	------	756	831	450	107	194	88	198
31	78	------	5.560	331	------	972	------	600	------	118	74	------
TOTAL	3.209	5.401	72.003	46.135	48.153	101.463	112.519	67.071	7.537	3.900	4.322	3.839
MEAN	104	180	2.323	1.488	1.720	3.273	3.751	2.164	251	126	139	128
MAX	1.060	649	20.800	8.950	11.000	22.900	17.200	16.700	1.380	406	612	398
MIN	32	60	75	331	260	246	340	294	101	73	57	56
CFSM	.16	.28	3.56	2.28	2.63	5.01	5.74	3.31	.39	.19	.21	.20
IN.	.18	.31	4.10	2.63	2.74	5.78	6.41	3.82	.43	.22	.25	.22

CAL YR 1972 TOTAL 288.785 MEAN 789 MAX 20.800 MIN 29 CFSM 1.21 IN 16.45
WTR YR 1973 TOTAL 475.552 MEAN 1.303 MAX 22.900 MIN 32 CFSM 2.00 IN 27.09

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	2015	23.63	23,900	04-07	1715	20.20	17,000
02-01	1645	20.15	16,900	04-18	1115	21.91	19,700
03-11	1415	19.94	16,600	05-08	0530	23.13	22,200
03-25	1745	24.65	27,600				

NOTE.--Doubtful or no gage-height record May 11 to June.4.

07291000 Homochitto River at Eddiceton, Miss.

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington meridian, Franklin County, on left bank at upstream side of Mississippi Central Railroad bridge, 900 ft (270 m) downstream from bridge on U.S. Highway 84, 0.4 mile (0.6 km) upstream from McCall Creek, and 0.8 mile (1.3 km) east of Eddiceton.

DRAINAGE AREA.--180 mi² (470 km²). approximately.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 217.22 ft (66.209 m) above mean sea level. Prior to May 26, 1942, nonrecording gage at site 900 ft (270 m) upstream at present datum.

AVERAGE DISCHARGE.--35 years, 246 ft³/s (6.967 m³/s), 18.56 in/yr (471 mm/yr).

EXTREMES.--Current year: Maximum discharge, 26,000 ft³/s (736 m³/s) Mar. 24 (gage height, 15.64 ft or 4.76 m); minimum daily, 39 ft³/s (1.10 m³/s) Oct. 21.

Period of record: Maximum discharge, 30,900 ft³/s (875 m³/s) Mar. 29, 1939; maximum gage height, 16.82 ft (5.127 m) Oct. 4, 1964; minimum discharge, 26 ft³/s (0.74 m³/s) Sept. 10, 1952 (temporary regulation); minimum unregulated, 28 ft³/s (0.79 m³/s) Sept. 2, 4, 1954, Sept. 29, 1956.

REMARKS.--Records fair except those for period of doubtful or no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 1281: 1939-40, 1942-44, 1949-50.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	41	58	500	2,120	109	320	208	94	85	73	50
2	43	42	56	450	684	139	211	1,740	80	57	68	49
3	43	41	54	900	270	129	194	4,220	68	52	65	78
4	42	42	110	780	203	1,020	175	603	60	58	62	270
5	42	42	300	210	177	453	156	411	54	91	59	460
6	42	41	950	250	158	1,160	145	338	58	132	56	550
7	42	43	400	450	147	2,910	2,200	6,190	56	82	54	300
8	42	55	120	800	453	524	519	3,790	90	77	52	140
9	42	55	95	350	1,110	411	299	633	64	73	51	120
10	42	54	83	250	345	296	252	425	53	67	50	150
11	41	54	74	215	249	3,780	219	309	52	64	52	199
12	41	54	66	200	205	665	205	267	56	61	60	306
13	41	61	228	190	691	416	194	240	60	58	400	190
14	41	86	139	180	3,550	309	187	211	64	56	210	160
15	41	66	911	170	574	261	177	187	70	55	123	110
16	41	57	286	160	345	1,330	2,910	170	81	54	105	74
17	41	54	137	156	264	766	3,050	156	69	52	100	55
18	40	52	94	152	225	331	6,040	145	56	52	110	50
19	40	54	77	467	200	249	717	135	54	53	69	57
20	40	52	5,790	237	182	273	482	127	58	54	55	55
21	39	52	11,000	345	167	240	338	119	103	63	50	54
22	50	51	803	273	154	192	276	114	94	73	49	53
23	273	50	389	167	150	172	246	102	78	60	46	52
24	76	51	310	141	139	6,430	234	107	68	61	47	51
25	56	167	220	129	135	9,470	4,870	125	54	64	48	51
26	67	127	180	152	125	639	855	109	50	70	50	50
27	90	92	160	147	119	389	717	94	56	94	60	51
28	60	76	140	167	114	286	394	99	66	100	130	56
29	50	69	250	147	------	258	293	92	74	105	100	74
30	45	63	450	131	------	261	246	93	80	100	80	94
31	42	------	1,000	121	------	717	------	76	------	90	60	------
TOTAL	1,678	1,844	24,930	8,987	13,255	34,585	27,121	21,625	2,020	2,203	2,592	4,007
MEAN	54.1	61.5	804	290	473	1,116	904	698	67.3	71.1	83.6	134
MAX	273	167	11,000	900	3,550	9,470	6,040	6,190	103	132	400	550
MIN	39	41	54	121	114	109	145	76	50	52	46	49
CFSM	.30	.34	4.47	1.61	2.63	6.20	5.02	3.88	.37	.40	.46	.74
IN.	.35	.38	5.15	1.86	2.74	7.15	5.61	4.47	.42	.46	.54	.83

CAL YR 1972 TOTAL 87,302 MEAN 239 MAX 11,000 MIN 31 CFSM 1.33 IN 18.04
WTR YR 1973 TOTAL 144,847 MEAN 397 MAX 11,000 MIN 39 CFSM 2.21 IN 29.94

PEAK DISCHARGE (BASE, 9,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	0600	12.80	18,400	05-03	0015	10.38	12,600
03-24	2300	15.64	26,000	05-07	2015	11.85	16,300
04-18	0130	11.20	14,500				

NOTE.--Doubtful or no gage-height record July 13 to Sept. 11.

07292500 Homochitto River at Rosetta, Miss.

LOCATION.--Lat 31°19'20", long 91°06'20", in sec.12, T.4 N., R.1 E., Washington meridian, Wilkinson County, on downstream side of bridge on State Highway 33 at Rosetta, 800 ft (240 m) downstream from Illinois Central Railroad bridge, 1 mile (1.6 km) downstream from Foster Creek, and 5 miles (8 km) upstream from Dry Creek.

DRAINAGE AREA.--750 mi² (1,940 km²), approximately.

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year in reports of Geological Survey. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and nonrecording gage read twice daily. Datum of gage is 94.39 ft (28.770 m) above mean sea level. June 16 to Nov. 12, 1906, nonrecording gage at railroad bridge 800 ft (240 m) upstream at different datum.

AVERAGE DISCHARGE.--22 years, 993 ft³/s (28.12 m³/s), 17.98 in/yr (457 mm/yr).

EXTREMES.--Current year: Maximum discharge, 128,000 ft³/s (3,620 m³/s) Mar. 24 (gage height, 27.50 ft or 8.382 m), from rating curve extended above 47,000 ft³/s (1,330 m³/s) on basis of runoff comparisons with nearby stations; minimum daily, 299 ft³/s (8.47 m³/s) Aug. 23.

Period of record: Maximum discharge, 141,000 ft³/s (3,990 m³/s) Oct. 4, 1964; maximum gage height, 36.03 ft (10.982 m) May 4, 1953; minimum discharge, 129 ft³/s (3.65 m³/s) Sept. 22-25, 28-30, 1956.

Maximum stage since February 1949, 37.80 ft (11.521 m) Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

REMARKS.--Records fair, except those above 1,000 ft³/s (28.3 m³/s), which are poor.

REVISIONS (WATER YEARS).--WSP 1731: 1955 (M). WSP 1920: 1955.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	460	338	444	1,950	5,440	671	1,900	707	950	528	501	339
2	416	505	436	1,700	4,250	785	1,250	2,530	799	371	619	329
3	385	632	436	5,670	2,210	957	1,130	19,200	554	358	513	425
4	392	420	910	4,370	1,180	3,220	1,000	3,410	529	396	400	593
5	392	364	1,390	1,300	1,000	3,220	850	1,360	529	425	382	809
6	385	344	7,690	1,580	963	2,940	700	1,250	589	1,340	368	4,010
7	378	374	3,470	1,580	773	13,300	5,000	13,300	568	850	353	5,640
8	382	459	1,480	5,130	2,130	3,500	3,000	14,700	1,020	483	332	1,690
9	382	399	1,060	2,420	5,150	2,600	2,100	4,310	749	425	326	692
10	378	364	1,670	1,500	2,210	2,150	1,300	2,870	568	353	326	520
11	357	344	1,280	1,220	1,530	13,600	1,040	2,120	520	375	329	572
12	350	341	689	1,030	1,040	4,360	960	5,500	552	396	1,320	1,010
13	360	1,650	2,340	929	2,990	2,450	750	3,450	552	358	1,020	1,020
14	364	1,540	1,390	863	16,300	1,890	720	1,820	564	353	1,070	585
15	364	643	4,290	773	4,380	1,500	650	1,410	532	353	769	536
16	364	469	2,870	677	3,540	5,360	1,700	1,240	758	332	691	658
17	360	413	1,400	610	2,150	4,720	6,600	1,100	519	326	581	399
18	374	420	1,000	610	1,590	2,150	20,600	1,040	475	332	560	392
19	364	525	850	665	1,390	1,510	4,040	929	468	319	432	375
20	360	448	12,200	725	1,270	1,440	2,010	894	505	411	407	358
21	357	428	45,400	2,310	1,080	1,440	1,400	840	577	418	360	354
22	385	403	6,750	2,510	1,030	1,080	1,120	758	544	354	325	350
23	1,170	395	4,000	1,140	1,020	964	908	738	560	353	299	366
24	755	406	2,200	957	957	26,400	616	1,730	656	382	302	353
25	428	915	1,400	767	915	24,100	8,630	1,390	454	418	302	366
26	364	1,390	1,170	863	976	5,720	5,420	905	404	432	302	329
27	749	725	990	824	937	2,600	3,290	724	375	628	332	326
28	444	588	850	863	773	1,710	1,600	850	411	654	513	467
29	392	545	780	830	------	1,560	1,120	798	490	654	447	758
30	360	452	1,300	737	------	1,320	853	654	529	458	393	602
31	347	------	6,350	665	------	4,340	------	654	------	432	382	------
TOTAL	13,318	17,249	118,475	47,768	68,974	143,567	82,157	93,251	17,394	14,307	15,215	24,753
MEAN	430	575	3,822	1,541	2,460	4,631	2,739	3,008	580	452	491	825
MAX	1,170	1,650	45,400	5,670	16,300	26,400	20,600	19,200	1,020	1,340	1,320	5,640
MIN	347	338	436	610	773	671	616	654	375	319	299	326
CFSM	.57	.77	5.10	2.05	3.28	6.17	3.65	4.01	.77	.62	.65	1.10
IN.	.66	.86	5.88	2.37	3.42	7.12	4.07	4.63	.86	.71	.75	1.23

CAL YR 1972 TOTAL 491,909 MEAN 1,344 MAX 45,400 MIN 188 CFSM 1.79 IN 24.40
WTR YR 1973 TOTAL 656,349 MEAN 1,798 MAX 45,400 MIN 299 CFSM 2.40 IN 32.55

PEAK DISCHARGE (BASE, 16,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	0800	23.50	65,000	03-24	2300	27.50	128,000
02-14	0500	20.00	32,800	04-18	0500	21.40	44,000
03-07	0300	19.54	29,600	05-03	0400	21.48	44,600
03-11	0900	19.60	30,000	05-07	2200	21.70	46,600

07295000 Buffalo River near Woodville, Miss.

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington meridian, Wilkinson County, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 miles (2.4 km) downstream from Fords Creek, 2.8 miles (4.5 km) west of Wilkinson, and 8.5 miles (13.7 km) north of Woodville.

DRAINAGE AREA.--182 mi^2 (471 km^2).

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft (28.810 m) above mean sea level. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE.--31 years, 256 ft^3/s (7.250 m^3/s), 19.10 in/yr (485 mm/yr).

AVEREMES.--Current year: Maximum discharge, 65,000 ft^3/s (1,840 m^3/s) Mar. 25 (gage height, 22.3 ft or 6.80 m, from floodmarks), from rating curve extended above 35,000 ft^3/s (990 m^3/s); minimum daily, 26 ft^3/s (0.74 m^3/s) Oct. 19.

Period of record: Maximum discharge, 65,000 ft^3/s (1,840 m^3/s) Mar. 25, 1973 (gage height, 22.3 ft or 6.80 m, from floodmarks), from rating curve extended above 35,000 ft^3/s (990 m^3/s); minimum, 16 ft^3/s (0.45 m^3/s) Aug. 14, 18, 19, 1954, Sept. 28, 1956.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1281: 1943, 1946 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	42	61	689	2,390	138	408	260	310	200	156	96
2	42	164	57	794	968	239	327	1,070	260	166	152	97
3	39	68	54	1,990	390	175	295	1,800	214	140	114	99
4	39	48	83	769	304	1,260	270	421	190	200	105	98
5	36	43	1,260	423	265	419	260	300	170	255	99	286
6	36	41	6,160	1,040	238	795	250	292	209	295	80	1,490
7	36	47	566	976	217	1,570	3,080	2,870	190	274	78	1,130
8	34	44	301	1,490	977	498	631	1,170	207	204	105	396
9	32	40	219	538	1,900	538	434	521	190	154	93	198
10	30	37	174	441	534	329	330	393	170	114	85	154
11	28	35	152	397	367	4,570	245	346	160	142	86	127
12	28	33	154	356	302	829	206	337	150	150	96	111
13	28	1,200	676	319	951	473	187	342	203	123	90	432
14	28	198	187	297	3,500	375	172	270	261	113	103	158
15	28	97	1,220	282	544	317	161	250	703	119	87	199
16	28	79	278	269	469	1,130	3,500	233	435	122	96	90
17	28	70	155	261	379	633	4,170	217	220	125	105	78
18	28	100	122	257	321	327	4,000	204	180	116	91	58
19	27	187	110	246	277	262	788	192	168	114	86	50
20	28	79	1,920	239	240	487	531	192	379	136	80	58
21	28	66	5,100	798	220	324	421	174	293	260	75	56
22	42	62	894	471	200	223	362	169	204	274	72	55
23	286	58	413	315	183	194	324	161	180	176	70	55
24	53	59	291	274	173	12,400	302	2,500	160	142	68	55
25	40	612	224	257	164	30,700	2,250	610	150	136	66	55
26	38	125	190	479	156	1,680	1,360	353	140	216	76	53
27	108	79	168	320	151	760	502	302	130	150	93	52
28	58	105	163	404	147	570	321	356	120	162	90	51
29	46	85	162	301	------	655	274	261	211	258	91	72
30	44	67	2,760	263	------	452	261	234	388	135	127	108
31	43	------	1,440	255	------	981	------	247	------	112	90	------
TOTAL	1,433	3,970	25,714	16,218	16,927	64,303	26,622	17,037	6,945	5,273	2,908	5,947
MEAN	46.2	132	829	523	505	2,074	887	550	232	170	93.8	198
MAX	286	1,200	6,160	1,990	3,500	30,700	4,170	2,870	703	285	156	1,490
MIN	27	33	54	239	147	138	161	151	120	112	66	52
CFSM	.25	.73	4.55	2.87	8.32	11.4	4.87	3.02	1.27	.93	.52	1.09
IN.	.29	.81	5.26	3.31	8.46	13.14	5.44	3.48	1.42	1.08	.59	1.22

CAL YR 1972 TOTAL 90,011 MEAN 246 MAX 6,160 MIN 21 CFSM 1.35 IN 18.40
WTR YR 1973 TOTAL 193,289 MEAN 530 MAX 30,700 MIN 27 CFSM 2.91 IN 39.51

PEAK DISCHARGE (BASE, 11,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-06	0200	13.64	15,500	02-14	0115	12.94	13,100
12-21	0545	12.83	12,800	03-11	0515	13.03	13,400
12-30	2015	12.95	13,200	03-25	Unknown	*22.3	65,000

*From floodmark recovered Mar. 28, 1973.

NOTE.--No gage-height record Mar. 24-28.

07377000 Amite River near Darlington, La.

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, near center of span on downstream side of State Highway 10, 1.5 miles (2.4 km) upstream from Collins Creek, and 4.0 miles (6.4 km) west of Darlington.

DRAINAGE AREA.--580 mi² (1,502 km²)

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft(44.443 m)above mean sea level. Mar. 17, 1949, to Oct. 23, 1950, crest-stage gage; Oct. 24, 1950, to Jan. 12, 1951, nonrecording gage; Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (210 m) to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, datum, 2.99 ft (0.911 m) higher.

AVERAGE DISCHARGE.--23 years, 822 ft³/s (23.28 m³/s), 19.25 in/yr (489 mm/yr).

EXTREMES.--Maximum discharge during year, 62,100 ft³/s (1,760 m³/s) Mar. 25 (gage height, 20.19 ft or 6.154 m); 202 ft³/s (5.72 m³/s) Oct. 20, 21 (gage height, 2.31 ft or 0.704 m).
Period of record: Maximum discharge, 62,100 ft³/s (1,760 m³/s) Mar. 25, 1973 (gage height, 20.19 ft or 6.154 m); minimum discharge, 188 ft³/s (5.32 m³/s) Oct. 18, 1956.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	255	260	362	1.000	828	487	5.220	735	564	356	390	353
2	243	265	337	1.500	3.250	481	3.520	699	509	354	905	350
3	228	466	324	2.930	2.340	565	1.590	2.270	1.380	345	560	375
4	228	367	324	3.990	1.160	1.030	1.130	5.060	753	342	419	381
5	225	298	421	2.900	936	1.990	975	4.790	945	510	365	515
6	225	280	2.910	1.540	591	1.570	820	1.700	569	810	354	2.370
7	223	273	7.000	1.680	621	1.570	2.340	1.800	501	605	342	3.870
8	220	280	6.920	2.750	621	2.970	4.580	5.360	771	510	335	3.220
9	220	288	2.660	2.780	2.470	2.990	3.210	4.960	980	418	336	1.330
10	220	278	1.080	1.740	3.090	1.550	1.490	2.790	591	357	325	855
11	218	273	804	1.190	1.940	4.130	975	1.270	497	363	320	658
12	215	270	667	1.010	1.140	7.200	785	1.130	461	366	360	1.200
13	213	303	677	872	924	5.270	677	2.860	441	369	437	2.450
14	213	1.100	856	756	3.520	1.830	605	3.250	465	348	401	1.290
15	213	726	900	684	6.290	1.130	555	1.730	497	339	397	695
16	210	468	1.400	635	5.220	1.080	940	930	483	333	390	555
17	210	385	1.210	597	1.990	3.420	7.760	690	505	328	457	483
18	208	331	820	569	1.090	2.710	13.000	618	449	325	605	441
19	205	462	642	543	992	1.420	14.300	573	422	323	465	418
20	203	528	744	528	772	1.390	9.330	537	404	345	381	401
21	203	399	4.790	562	691	2.050	3.290	510	453	497	349	390
22	223	343	11.200	670	635	1.410	1.270	498	990	394	330	378
23	938	318	11.200	607	500	972	950	470	569	351	319	372
24	689	310	4.220	543	576	2.640	800	645	422	336	313	356
25	337	506	1.470	506	562	31.300	1.160	1.810	394	333	308	353
26	273	968	1.020	528	549	29.100	4.440	875	381	375	305	357
27	295	691	832	590	528	10.300	4.620	623	372	397	320	354
28	343	506	709	635	506	3.000	2.570	546	366	740	474	350
29	305	434	660	691	------	1.490	1.250	510	360	592	429	418
30	275	406	656	593	------	1.260	880	474	357	641	378	457
31	265	------	800	537	------	4.530	------	457	------	415	419	------
TOTAL	8.541	12.762	68.615	36.656	44.332	132.835	95.032	51.050	16.852	13.107	12.486	26.075
MEAN	276	425	2.213	1.182	1.583	4.285	3.168	1.647	562	423	403	859
MAX	938	1.100	11.200	3.990	6.290	31.300	14.300	5.360	1.380	810	905	3.870
MIN	203	260	324	506	506	481	555	457	357	323	305	354
CFSM	.48	.73	3.82	2.04	2.73	7.39	5.46	2.84	.97	.73	.69	1.50
IN.	.55	.82	4.40	2.35	2.84	8.52	6.10	3.27	1.08	.84	.80	1.57

CAL YR 1972 TOTAL 314.403 MEAN 859 MAX 22.300 MIN 203 CFSM 1.48 IN 20.17
WTR YR 1973 TOTAL 518.343 MEAN 1.420 MAX 31.300 MIN 203 CFSM 2.45 IN 33.25

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-07	1130	12.64	8,030	03-31	2000	11.27	6,320
12-23	0100	15.95	15,200	04-19	1230	16.03	15,600
02-15	1515	11.66	6,790	04-26	2115	10.93	5,920
03-12	1600	12.24	7,510	05-04	1445	10.65	5,580
03-25	1945	20.19	62,100	05-09	0045	11.13	6,160

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1973

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Mobile River basin				
02467200	Sucarnoochee Creek near Porterville, Miss.	Lat 32°42'15", long 88°29'00", on line between secs.19 and 20, T.10 N., R.18 E., Choctaw meridian, Kemper County, at bridge on U.S. Highway 45, 1 mile northwest of Porterville.	136	1942-44, 1953-54, 1959-60, 1973	10-20-72	29.0
02467300	Pawticfaw Creek near Porterville, Miss.	Lat 32°38'42", long 88°29'50", in NW¼ sec.7, T.9 N., R.18 E., Choctaw meridian, Kemper County, on U.S. Highway 45, 3.5 miles southwest of Porterville.	-	1953-54, 1959-60, 1970, 1973	10-20-72	32.9
02467400	Blackwater Creek near Porterville, Miss.	Lat 32°38'38", long 88°29'50", in NW¼ sec.7, T.9 N., R.18 E., Choctaw meridian, Kemper County, on U.S. Highway 45, 3.6 miles southwest of Porterville.	-	1943, 1953-54, 1959-60, 1970, 1973	10-20-72	11.8
		Pascagoula River basin				
02471900	Oakohay Creek at Hot Coffee, Miss.	Lat 31°44'31", long 89°26'34", in SE¼ sec.18, T.9 N., R.14 W., St. Stephens meridian, Covington County, at bridge on State Highway 37 at Hot Coffee.	225	1965-67, 1971, 1973	10-17-72	45.1
02472300	Station Creek near Collins, Miss.	Lat 31°39'56", long 89°30'30", on line between secs.9 and 16, T.8 N., R.15 W., St. Stephens meridian, Covington County, at bridge on U.S. Highway 84, 3.1 miles northeast of Collins.	a5.9	1943, 1951-52, 1954-57, 1959-60, 1971, 1973	10-17-72	1.62
02474100	Tallahoma Creek near Laurel, Miss.	Lat 31°42'50", long 89°09'56", in SE¼ sec.26, T.9 N., R.12 W., St. Stephens meridian, Jones County, at bridge on county highway, 1.2 miles above U.S. Highway 84 bridge, and 2 miles northwest of Laurel.	-	1953-57, 1959-60, 1964-66, 1972-73	10-18-72	1.73
02474550	Denham Creek near New Augusta, Miss.	Lat 31°12'25", long 89°04'49", in W½ sec.22, T.3 N.,R.11 W., St. Stephens meridian, Perry County, at bridge on U.S. Highway 98, 0.2 mile south of Mahned, and 2.2 miles west of New Augusta.	-	1953-57, 1960, 1973	10-18-72	3.88
02474700	Dickey's Creek near Beaumont, Miss.	Lat 31°10'54", long 88°56'30", in NW¼ sec.31, T.3 N., R.9 W., St. Stephens meridian, Perry County, at bridge on U.S. Highway 98 (revised), 0.5 mile above mouth, and 1.5 miles northwest of Beaumont.	-	1953-57, 1959-60, 1973	10-20-72	1.27
02474960	Gaines Creek near Beaumont, Miss.	Lat 31°11'10", long 88°50'54", in SE¼ sec.25, T.3 N., R.9 W., St. Stephens meridian, Perry County, at county highway bridge, 5 miles east of Beaumont.	-	1964-65, 1973	10-20-72	.52
02474990	Atkinson Creek near McLain, Miss.	Lat 31°08'20", long 88°48'05", in NW¼ sec.16, T.2 N., R.8 W., St. Stephens meridian, Greene County, at bridge on county highway, 3 miles north of McLain.	-	1964-65, 1972-73	10-20-72	2.22

Discharge measurements made at low-flow partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Pascagoula River basin--Continued						
02475600	Tallahatta Creek near Meehan Junction, Miss.	Lat 32°19'38", long 88°52'22", in SW¼ sec.28, T.6 N., R.14 E., Choctaw meridian, Lauderdale County, at U.S. Highway 80, 0.5 mile west of Meehan Junction, and 2 miles above mouth.	71	1943-44, 1951-52, 1954-57, 1959-60, 1968, 1971, 1973	10-19-72	0.89
02477450	Horton's Mill Creek near Waynesboro, Miss.	Lat 31°44'36", long 88°39'12", in SE¼ sec.13, T.9 N., R.7 W., St. Stephens meridian, Wayne County, at bridge on U.S. Highway 45, 4.5 miles north of Waynesboro.	-	1953-57, 1959-60, 1973	10-18-72	1.48
02478020	Big Red Creek near Buckatunna, Miss.	Lat 31°33'46", long 88°29'10", in NE¼ sec.21, T.7 N., R.5 W., St. Stephens meridian, Wayne County, at bridge on county highway, 3 miles northeast of Buckatunna.	a69	1964-66, 1973	10-18-72	9.07
02478140	Big Creek near Buckatunna, Miss.	Lat 31°28'00", long 88°34'20", in SE¼ sec.22, T.6 N., R.6 W., St. Stephens meridian, Wayne County at bridge on county highway, 5 miles (revised) southwest of Buckatunna.	a140	1964-66, 1972-73	10-18-72	8.66
02478660	Big Creek near Leakesville, Miss.	Lat 31°13'24", long 88°38'28", in NE¼ sec.13, T.3 N., R.7 W., St. Stephens meridian, Greene County, on State Highway 63 (old), 6 miles northwest of Leakesville.	70.5	1954-57, 1973	10-19-72	3.58
02478750	Brushy Creek near Leakesville, Miss.	Lat 31°07'40", long 88°40'10", on line between secs.14 and 23, T.2 N., R.7 W., St. Stephens meridian, Greene County, at bridge on State Highway 594 (formerly 24), 0.5 mile above mouth, and 7 miles west of Leakesville.	-	1953-57, 1959-60, 1973	10-19-72	1.72
02479052	Big Creek below Crossroads, Miss.	Lat 30°51'23", long 88°41'52", in SW¼ sec.21, T.2 S., R.7 W., St. Stephens meridian, George County, at county highway bridge, 2 miles south of Crossroads, and 8 miles southwest of Lucedale.	49.1	1953, 1955-56, 1960, 1972-73	10-20-72	19.1
02479105	Little Black Creek near Lumberton, Miss.	Lat 31°04'17", long 89°25'17", in SE¼ sec.5, T.1 N., R.14 W., St. Stephens meridian, Lamar County, on U.S. Highway 11, 5 miles north of Lumberton.	a30	1955, 1963-64, 1966, 1972-73	10-18-72	14.3
02479170	Black Creek near Benndale, Miss.	Lat 30°46'50", long 88°45'40", in SW¼ sec.14, T.3 S., R.8 W., St. Stephens meridian, George County, at bridge on State Highway 57, 7.6 miles south of Benndale.	a760	1958-60, 1961-70c, 1972-73	10-19-72	168
Tchoutacabouffa River basin						
02480400	Hester Creek near Biloxi, Miss.	Lat 30°33'00", long 88°57'24", in SE¼ sec.2, T.6 S., R.10 W., St. Stephens meridian, Harrison County, on county road, 10 miles north of Biloxi.	a10	1953-57, 1959, 1966, 1973	10-13-72	1.88
02480450	Hog Branch near Biloxi, Miss.	Lat 30°32'24", long 88°57'12", in NE¼ sec.11, T.6 S., R.10 W., St. Stephens meridian, Harrison County, on county road, 9 miles north of Biloxi.	b8.29	1953-57, 1959, 1966, 1973	10-13-72	.57
Biloxi River basin						
02481050	Saucier Creek near Wortham, Miss.	Lat 30°34'06", long 89°06'00", in NW¼ sec.33, T.5 S., R.11 W., St. Stephens meridian, Harrison County, on county road, 2.2 miles east of Wortham.	b41.21	1953, 1955-56, 1959, 1964, 1966, 1973	10-19-72	1.93
02481052	Flat Branch near Wortham, Miss.	Lat 30°34'02", long 89°06'18", in NE¼ sec.32, T.5 S., R.11 W., St. Stephens meridian, Harrison County, on county road, 1.7 miles east of Wortham.	a 3	1953, 1955, 1966, 1973	10-19-72	0

Discharge measurements made at low-flow partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Wolf River basin				
02481400	Wolf River near Poplarville, Miss.	Lat 30°50'49", long 89°28'22" (revised), in W½ sec.26, T.2 S., R.15 W., St. Stephens meridian, Pearl River County, at bridge on State Highway 26, 4 miles east of Poplarville.	b72.6	1952-71c, 1972-73	10-11-72 10-17-72	7.88 6.60
02481450	Murder Creek near Poplarville, Miss.	Lat 30°47'17", long 89°22'25" (revised), in SW¼NW¼ sec.14, T.3 S., R.14 W., St. Stephens meridian, Pearl River County, at bridge on old State Highway 26, 11 miles southeast of Poplarville.	b22.00	1952-70c, 1973	10-13-72 10-17-72	5.55 5.66
02481500	Wolf River near Lyman, Miss.	Lat 30°35'40", long 89°20'25", in NW¼SW¼ sec.19, T.5 S., R.13 W., St. Stephens meridian, Harrison County, on State Highway 53, 15 miles northwest of Lyman.	b254.25	1943, 1945-48†, 1953-54, 1959, 1964, 1965-71†, 1973	10- 3-72 10- 4-72	57.6 49.0
		Jourdan River basin				
02481550	Hickory Creek near Kiln, Miss.	Lat 30°30'23", long 89°29'43" (revised), in SE¼ sec.21, T.6 S., R.15 W., St. Stephens meridian, Hancock County, 8.5 miles northwest of Kiln.	60.52	1953-55, 1957, 1959, 1971, 1973	10-18-72	3.11
02481570	Catahoula Creek near Santa Rosa, Miss.	Lat 30°24'26" (revised), long 89°32'18", in NW¼ sec.30, T.7 S., R.15 W., St. Stephens meridian, Hancock County, at bridge on county highway, 2.9 miles upstream from Bayou Bacon, 7 miles southeast of Santa Rosa.	b155.10	1963-66†, 1971, 1973	10-19-72	11.7
02481600	Bayou Bacon near Kiln, Miss.	Lat 30°27'34", long 89°29'36" (revised), in NW¼ sec.3, T.7 S., R.15 W., St. Stephens meridian, Hancock County, 5.5 miles northwest of Kiln.	16.45	1953-55, 1957, 1959, 1971, 1973	10-19-72	1.16
		Pearl River basin				
02482780	Sipsey Creek near Forest, Miss.	Lat 32°32'33", long 89°21'32", in NE¼ sec.15, T.8 N., R.9 E., Choctaw meridian, Scott County, at State Highway 21, 15 miles northeast of Forest.	82.2	1953, 1968-69, 1971, 1973	10-20-72	3.45
02482850	Tallabogue Creek near Harperville, Miss.	Lat 32°29'20", long 89°27'29", in SE¼SE¼ sec.34, T.8 N., R.8 E., Choctaw meridian, Scott County, on county road, 2 miles east of Harperville.	-	1953, 1956, 1959-60, 1971, 1973	10-20-72	.23
02488350	Fair River near Monticello, Miss.	Lat 31°37'03", long 90°07'48", in SE¼ sec.31, T.8 N., R.11 E., Washington meridian, Lawrence County, on State Highway 27, 4.5 miles north of Monticello.	a85	1955-56, 1959-60, 1964, 1966-67, 1969-71, 1973	10-16-72	32.6
02488520	Halls Creek near Monticello, Miss.	Lat 31°31'55", long 90°06'36", on line between secs.32 and 33, T.7 N., R.11 E., Washington meridian, Lawrence County, on State Highway 27, 1.2 miles south of Monticello.	a41	1966-67, 1971, 1973	10-16-72	18.9
02488650	Whitesand Creek near Prentiss, Miss.	Lat 31°34'04", long 89°53'26", on line between secs.14 and 15, T.7 N., R.19 W., St. Stephens meridian, Jefferson Davis County, on State Highway 13, 2 miles south of Prentiss.	a45	1953-54, 1956, 1959-60, 1964, 1966, 1973	10-17-72	8.41
02488660	Jaybird Creek near Prentiss, Miss. (Formerly published as Little Whitesand Creek near Prentiss)	Lat 31°31'42", long 89°53'27", on line between secs.34 and 35, T.7 N., R.19 W., St. Stephens meridian, Jefferson Davis County, on State Highway 13, 5 miles south of Prentiss.	a44	1966-67, 1973	10-17-72	19.6

Discharge measurements made at low-flow partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Pearl River basin--Continued				
02488720	Tilton Creek near Oak Vale, Miss.	Lat 31°24'34" (revised), long 90°01'07", in SW¼ sec.8, T.5 N., R.12 E., Washington meridian, Lawrence County, on county highway, 4 miles southwest of Oak Vale.	a41	1967, 1971, 1973	10-16-72	47.6
02488750	East Fork Greens Creek near Goss, Miss.	Lat 31°25'40", long 89°53'33", on line between secs.2 and 3, T.5 N., R.19 W., St. Stephens meridian, Jefferson Davis County, on State Highway 13, 5.2 miles north of Goss.	a15	1953-54, 1956, 1959-60, 1966-67, 1973	10-17-72	1.53
02488770	Pearl River tributary at Morgantown, Miss.	Lat 31°18'50", long 89°55 27", in SE¼ sec.18, T.4 N., R.13 E., Washington meridian, Marion County, on State Highway 587, at Morgantown.	a18	1966, 1973	10-17-72	27.3
02489262	Hurricane Creek (Highway 35) near Sandy Hook, Miss.	Lat 31°05'36", long 89°49'44", in SW¼ sec.31, T.2 N., R.14 E., Washington meridian, Marion County, on State Highway 35, 4 miles north of Sandy Hook.	16	1966, 1971, 1973	10-17-72	7.33
02489263	Sweetwater Creek near Sandy Hook, Miss.	Lat 31°04'12", long 89°49'15", in NW¼ sec.7, T.1 N., R.14 E., Washington meridian, Marion County, on State Highway 35, 2.7 miles north of Sandy Hook.	a 3	1966, 1971, 1973	10-17-72	9.31
02489270	Clear Creek near Sandy Hook, Miss.	Lat 31°02'12", long 89°44'28", in NE¼ sec.19, T.1 N., R.17 W., St. Stephens meridian, Marion County, on county road, 4 miles east of Sandy Hook.	a41	1966, 1971, 1973	10-17-72	18.2
02489290	East Fork Pushepatapa Creek near Dexter, Miss.	Lat 31°00'16", long 89°56'26", in SE¼ (revised) sec.36, T.1 N., R.12 E., Washington meridian, Walthall County, 6 miles southeast of Dexter.	a41	1966, 1973	10-19-72	10.9
02490350	Albritton Creek near Bogue Chitto, Miss.	Lat 31°22'49", long 90°28'19", in S½ sec.23, T.5 N., R.7 E., Washington meridian, Lincoln County, at U.S. Highway 51, 4 miles south of Bogue Chitto.	-	1952-54, 1956, 1959, 1968, 1973	10-19-72	3.56
02490450	Topisaw Creek at Pricedale, Miss.	Lat 31°17'12", long 90°17'58", in NE¼ sec.28, T.4 N., R.9 E., Washington meridian, Pike County, at State Highway 44, 0.2 mile west of Pricedale.	-	1968-69, 1973	10-19-72	20.6
02490479	Leatherwood Creek near Kioto, Miss.	Lat 31°12'18", long 90°15'24", in SW¼ sec.24, T.3 N., R.9 E., Washington meridian, Walthall County, on county road, 3 miles north of Kioto.	29.5	1966-67, 1973	10-19-72	5.59
02490700	Union Creek near Tylertown, Miss.	Lat 31°09'52", long 90°07'45", in SE¼ sec.6, T.2 N., R.11 E., Washington meridian, Walthall County, on State Highway 27, 3.2 miles north of Tylertown.	12.6	1953-70c, 1971, 1973	10-19-72	3.36
02492350	East Hobolochitto Creek at Picayune, Miss.	Lat 30°32'05", long 89°40'30", in SW¼ sec.11, T.6 S., R.17 W., St. Stephens meridian, Pearl River County, at bridge on U.S. Highway 11, in Picayune.	108	1947, 1953-55, 1957-70c, 1971, 1973	10-18-72	8.16
		Yazoo River basin				
07280400	South Fork Tillatoba Creek at Charleston, Miss.	Lat 33°59'59", long 90°03'54", in NW¼ sec.35, T.25 N., R.2 E., Choctaw meridian, Tallahatchie County, at bridge on unnumbered State highway, 0.5 mile above mouth, 0.12 mile south of city limits of Charleston.	-	1909, 1953, 1955-56 1959, 1973	7-25-73	17.3
07280500	North Fork Tillatoba Creek near Charleston, Miss.	Lat 34°02'14", long 90°03'00", in NE¼ sec.14, T.25 N., R.2 E., Choctaw meridian, Tallahatchie County, at bridge on county highway between Charleston and Teasdale, 2.3 miles north of Charleston.	43.7	1909, 1941-42†, 1943, 1952-53, 1955-56, 1959-60, 1973	7-25-73	6.51

Discharge measurements made at low-flow partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Big Black River basin				
*07290005	Clear Creek near Bovina, Miss.	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.6 N., R.5 W., Choctaw meridian, Warren County, on county road, 1 mile northeast of Bovina.	a36	1966, 1973	10-17-72	2.00
		Bayou Pierre basin				
07290350	Turkey Creek near Dentville, Miss.	Lat 31°56'55", long 90°31'17", in SE¼SE¼ sec.5, T.1 N., R.3 W., Choctaw meridian, Copiah County, on county road, 2 miles east of Dentville.	-	1953-54, 1956, 1959, 1971, 1973	10-20-72	1.84
07290360	Bayou Pierre at Dentville, Miss.	Lat 31°57'06", long 90°33'51", in NE¼SW¼ sec.1, T.1 N., R.4 W., Choctaw meridian, Copiah County, on county road,0.6 miles southwest of Dentville.	-	1970, 1971, 1973	10-20-72	20.2
07290720	Bakers Creek near Port Gibson, Miss.	Lat 31°55'54", long 90°57'26", in E½ lot 23, T.11 N., R.2 E., Washington meridian, Claiborne County, at bridge on State Highway 547, 0.2 mile upstream from mouth and 2 miles southeast of Port Gibson.	a25	1961-63, 1973	10-17-72	3.48
		Coles Creek basin				
07290840	South Fork Coles Creek near Cannonsburg, Miss.	Lat 31°38'34", long 91°10'57", in W½ sec.35, T.8 N., R.1 W., Washington meridian, Jefferson County, at bridge on U.S. Highway 61, 0.2 mile downstream from Illinois Central Railroad, and 1.5 miles northeast of Cannonsburg.	a30	1953, 1955-56, 1959, 1961-63, 1973	10-17-72	1.11
		St. Catherine Creek basin				
07290893	St. Catherine Creek at Washington, Miss.	Lat 31°34'51", long 91°17'36", in S½ sec.28, T.7 N., R.2 W., Washington meridian, Adams County, at bridge on U.S. Highway 61, 0.5 mile northeast of Washington.	a 5	1961-63, 1973	10-17-72	2.13
		Homochitto River basin				
07293490	Sandy Creek near Kingston, Miss.	Lat 31°22'56", long 91°14'41", in W½ sec.28, T.5 N., R.1 W., Washington meridian, Adams County, at bridge on county road, 3.1 miles southeast of Kingston and 9.5 miles east of Sibley.	a40	1962-63, 1973	10-18-72	8.95
		Buffalo River basin				
07293050	Big Piney Creek near Woodville, Miss.	Lat 31°15'24", long 91°19'40", on line between secs.5 and 6, T.3 N., R.2 W., Washington meridian, Wilkinson County, at bridge on U.S. Highway 61, 1 mile above mouth, 3.8 miles southeast of Doloroso, and 11 miles north of Woodville.	14.8	1952-53, 1955-56, 1959, 1973	10-18-72	0.69
		Mississippi River delta				
07376648	East Fork Amite River near Thompson, Miss.	Lat 31°12'17", long 90°40'21", in S½ sec.23, T.3 N., R.5 E., Washington meridian, Amite County, at county highway, 1.5 miles above State Highway 24, 3 miles southwest of Thompson.	-	1959, 1964, 1968, 1973	10-19-72	26.2

* Also a crest-stage partial-record station.
‡ Operated as a continuous-record gaging station.
a Approximately.
b Revised.
c Operated as crest-stage gage.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1973

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mobile River basin					
02429900	Big Brown Creek near Booneville, Miss. (Station discontinued)	Lat 34°37'27", long 88°26'43", in N½ sec.27, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, at bridge on State Highway 30, 1.2 miles below Thompson Branch, and 7 miles southeast of Booneville.	26.7	1952-73a	3-16-73	98.26	3,120
02429980	Pollard Mill Branch near Paden, Miss. (Station discontinued)	Lat 34°39'10", long 88°13'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, at culvert on State Highway 30, 0.8 mile east of Paden.	2.05	1967-73a	3-16-73	3.65	445
02430500	Tombigbee River near Marietta, Miss. (Station discontinued)	Lat 34°26', long 88°25', in SE¼ sec.35, T.7 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on county highway, half a mile downstream from confluence of Browns Creek Canal and Mackeys Creek, 3 miles upstream from Donovan Creek Canal, and 6 miles southeast of Marietta.	307	1937-50†, 1968-73b	3-16-73	12.30	30,600
02432900	Red Boot Creek near Fulton, Miss.	Lat 34°19'10", long 88°19'30", in NE¼SE¼NW¼ sec.11, T.9 S., R.9 E., Chickasaw meridian, Itawamba County, at culvert on State Highway 25, 4.4 miles north of junction of State Highway 25 and U.S. Highway 78 near Fulton. Prior to Oct. 1, 1964, at datum 12.24 ft lower.	.13	1955-73	3-16-73	6.83	137
02434000	Town Creek at Tupelo, Miss.	Lat 34°17'40", long 88°42'35", in SW¼SE¼ sec.18, T.9 S., R.6 E., Chickasaw meridian, Lee County, on U.S. Highway 45, 0.5 mile north of city limits of Tupelo.	110	1944-46†, 1952-70†, 1971-73	2-22-71 1- 4-72 3-16-73	c23.45 c18.71 23.51	8,660 4,760 16,100
02434300	Euclautubba Creek at Saltillo, Miss.	Lat 34°22'20", long 88°42'00", in SW¼NW¼ sec.20, T.8 S., R.6 E., Chickasaw meridian, Lee County, at bridge on U.S. Highway 45 at Saltillo, 0.2 mile below Flat Creek, and 2.2 miles above mouth.	19.2	1952-67†, 1968-73	3-16-73	13.78	3,820
02435300	Cow Pike Pass near Tupelo, Miss.	Lat 34°16'00", long 88°37'10", in SW¼SE¼SE¼ sec.25, T.9 S., R.6 E., Chickasaw meridian, Lee County, at culvert on U.S. Highway 78, 5.5 miles east of Tupelo. Prior to Oct. 1, 1964, at datum 2.81 ft lower.	.14	1955-73	3-16-73	5.91	126
02435400	Clear Branch near Tupelo, Miss.	Lat 34°15'30", long 88°39'30", in SW¼SE¼NW¼ sec.34, T.9 S., R.6 E., Chickasaw meridian, Lee County, at culvert on U.S. Highway 78, 1.3 miles east of Tupelo.	.75	1955-73	3-16-73	6.08	243
02435800	Coonewah (corrected) Creek at Shannon, Miss.	Lat 34°08'15", long 88°43'12", in SE¼ sec.12, T.11 S., R.5 E., Chickasaw meridian, Lee County, on U.S. Highway 45, 1 mile north of Shannon and 4.5 miles upstream from mouth.	53.0	1955-73	3-16-73	18.57	9,100
02435920	Cotton Gin Branch near Tupelo, Miss.	Lat 34°14'10", long 88°50'20", in SE¼SW¼SW¼ sec.1, T.10 S., R.4 E., Chickasaw meridian, Lee County, at culvert on State Highway 6, 7.3 miles west of Tupelo. Prior to Oct. 1, 1964, at datum 12.74 ft lower.	.30	1955-73	3-16-73	4.41	135
02435950	Shell Creek near Tupelo, Miss.	Lat 34°14', long 88°49', in NW¼SE¼SW¼ sec.6, T.10 S., R.5 E., Chickasaw meridian, Lee County, at culvert on State Highway 6, 6.6 miles west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft lower.	.20	1955-73	3-16-73	4.74	95

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mobile River basin--Continued					
02436000	Chiwapa Creek at Shannon, Miss.	Lat 34°06'35", long 88°43'25", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw meridian, Lee County, at bridge on U.S. Highway 45W at Shannon, and 0.7 mile above Gulf, Mobile and Ohio Railroad bridge.	144	1952-67‡, 1968-73	3-16-73	13.60	23,000
02437300	Mattubby Creek near Aberdeen, Miss.	Lat 33°52', long 88°36', in SE¼SE¼ sec.7, T.14 S., R.7 E., Chickasaw meridian, Monroe County, at bridge on U.S. Highway 45, 1.5 miles above Wolf River, and 4 miles northwest of Aberdeen.	92.0	1937, 1952-73	3-16-73	94.41	11,400
02437350	Nichols Creek tributary near Quincy, Miss.	Lat 33°54'20", long 88°21'05", in SE¼ sec.29, T.13 S., R.10 E., Huntsville meridian, Monroe County, at culvert on U.S. Highway 278, 1.0 mile southeast of Quincy.	.54	1967-73	3-16-73	7.03	338
02437600	James Creek at Aberdeen, Miss.	Lat 38°48'45", long 88°34'00", in SW¼SE¼ sec.33, T.14 S., R.7 E., Chickasaw meridian, Monroe County, at bridge on State Highway 25, 0.4 mile southwest of Aberdeen.	28.9	1964-68‡, 1969-73	3-16-73	15.70	4,540
02439800	Cowbell Creek near Houlka, Miss.	Lat 34°04'10", long 89°00'20", in NW¼SE¼NE¼ sec.5, T.12 S., R.3 E., Chickasaw meridian Chickasaw County, at culvert on State Highway 15, 1.75 miles north of Houlka, Prior to Oct. 1, 1964, at datum 1.61 ft lower.	.46	1955-73	3-15-73	7.09	322
02439980	Chuquatonchee Creek near Okolona, Miss.	Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw meridian, Chickasaw County, at bridge on State Highway 32, 7.5 miles west of Okolona.	68.5	1963-68‡, 1969-73	3-16-73	d16.93	15,000
02440020	Chuquatonchee Creek tributary near Trebloc, Miss.	Lat 33°50'25", long 88°48'20", on line between SW¼ sec.20 and NW¼ sec.29, T.14 S., R.5 E., Chickasaw meridian, Chickasaw County, at culvert on State Highway 8, 1.5 miles east of Trebloc.	.72	1967-73	3-16-73	7.39	350
02440400	Houlka Creek near McCondy, Miss.	Lat 33°47'05", long 88°51'15", in SE¼SW¼ sec.11, T.15 S., R.4 E., Chickasaw meridian, Clay County, at bridge on State Highway 47, 2.8 miles south of McCondy.	185	1963-68‡, 1969-73	3-16-73	18.65	40,000
02440600	Line Creek near Maben, Miss.	Lat 33°39', long 89°04', in S½ sec.26, T.16 S., R.2 E., Chickasaw meridian, Webster County, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile and Ohio Railroad, and 7 miles north of Maben.	6.5	1952-73	3-16-73	19.97	2,350
02440800	Trim Cane Creek near Starkville, Miss.	Lat 33°28', long 88°55', in W½ sec.35, T.19 N., R.13 E., Choctaw meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3 miles above Biba Wila Creek, and 6 miles west of Starkville.	39.6	1952-73	3-16-73	27.31	8,000
02441220	Sand Creek tributary near Mayhew, Miss.	Lat 33°28'40", long 86°43'20", on line between SW¼ sec.27 and NW¼ sec.34, T.19 N., R.15 E., Choctaw meridian, Oktibbeha County, on U.S. Highway 82, 3.7 miles west of Mayhew.	.44	1966-73	3-16-73	6.04	201
02441300	Catalpa Creek at Mayhew, Miss.	Lat 33°28'50", long 88°37'45", in NE¼SW¼ sec. 28, T.19 N., R.16 E., Choctaw meridian, Lowndes County, at bridge on U.S. Highway 82, 0.5 mile east of Mayhew.	98.2	1963-68‡, 1969-73	3-16-73	20.10	13,600
02443605	Mayo Slough tributary near Columbus, Miss.	Lat 33°28'40", long 88°31'05", on line between SE¼ sec.28 and NE¼ sec.33, T.19 N., R.17 E., Choctaw meridian, Lowndes County, at 8 x 4 foot box culvert on U.S. Highway 82, 5 miles west of Columbus.	0.24	1965-73	3-15-73	5.48	174
02443700	Cedar Creek near Brooksville, Miss.	Lat 33°20'00", long 88°32'30", in SW¼ sec.17, T.17 N., R.17 E., Choctaw meridian, Lowndes County, at 10 x 6 foot box culvert on U.S. Highway 45, 7.5 miles north of Brooksville.	.49	1965-73	3-15-73	6.22	245

Annual maximum discharge at crest-stage partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mobile River basin--Continued					
02447220	Bogue Fallah Creek tributary near Ackerman, Miss.	Lat 33°20'10", long 89°07'10", in SW¼ sec.14, T.17 N., R.11 E., Choctaw meridian, Choctaw County, on State Highway 12, 4.1 miles northeast of Ackerman.	0.34	1966-73	3-15-73	5.22	144
02447280	Lawson Branch near Betheden, Miss.	Lat 33°15'40", long 88°56'50", in NW¼NW¼NW¼ sec.11, T.16 N., R.13 E., Choctaw meridian, Winston County, on State Highway 25, 3.4 miles north of Betheden.	1.11	1966-73	3-15-73	6.85	450
02447340	Cypress Creek tributary at Bradley, Miss.	Lat 33°22'20", long 88°59'00", in NE¼NE¼NE¼ sec.1, T.17 N., R.12 E., Choctaw meridian, Oktibbeha County, on State Highway 12, 0.3 mile southwest of Bradley.	.60	1966-73	3-15-73	5.45	215
02447500	Noxubee River near Brooksville, Miss. (Station discontinued)	Lat 33°13'30", long 88°42'10", in center of sec.19, T.16 N., R.16 E., Choctaw meridian, Noxubee County, on county road, 7 miles west of Brooksville.	e440	1941-42‡, 1944-64‡, 1965-73	3-17-73	23.22	34,200
02448620	Flat Scooba Creek tributary near Scooba, Miss.	Lat 32°50'20", long 88°28'10", in SE¼ sec.32 T.12 N., R.18 E., Choctaw meridian, Kemper County, at culvert on U.S. Highway 45, 0.8 mile north of Scooba.	.44	1967-73	2-13-73	4.63	92
02467100	Hamilton Branch near DeKalb, Miss.	Lat 32°47'30", long 88°35'40", in NE¼ sec.19, T.11 N., R.17 E., Choctaw meridian, Kemper County, at 16 x 6 foot culvert on State Highway 16, 4.2 miles northeast of DeKalb.	.97	1965-73	3-16-73	7.29	601
02469672	Little Okatuppa Creek near Quitman, Miss.	Lat 32°05'00", long 88°27'10", in NW¼SE¼SE¼ sec.21, T.3 N., R.18 E., Choctaw meridian, Clarke County, on State Highway 18, 17.6 miles east of Quitman.	4.35	1966-73	6- 7-73	7.38	1,390
		Pascagoula River basin					
02471100	Leaf River near Raleigh, Miss.	Lat 32°00'47", long 89°25'58", in SE¼SE¼NW¼ sec.13, T.2 N., R.8 E., Choctaw meridian, Smith County, at bridge on State Highway 18, 6 miles east of Raleigh.	143	1940-43f, 1957-73	3-31-73	299.36	6,290
02471250	Leaf River at Taylorsville, Miss.	Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens meridian, Smith County, on State Highway 28, 1 mile east of Taylorsville.	466	1968-73	4- 1-73	249.03	12,200
02471500	Oakohay Creek at Mize, Miss.	Lat 31°52', long 89°33', in NW¼ sec.6, T.10 N., R.15 W., St. Stephens meridian, Smith County, on State Highway 28, at Mize.	171	1943-49‡, 1968-73	3-25-73	13.51	7,730
02472160	Big Creek tributary near Laurel, Miss.	Lat 31°41'20", long 89°19'35", in NE¼SW¼ sec.5, T.8 N., R.13 W., St. Stephens meridian, Jones County, on U.S. Highway 84, 11.4 miles west of Laurel.	.17	1966-73	4-23-73	6.34	202
02472420	Bowie Creek near Sanford, Miss.	Lat 31°28'20", long 89°31'20", in NE¼ sec.20, T.6 N., R.13 W., St. Stephens meridian, Covington County, at bridge on State Highway 589, 5.0 miles southwest of junction with U.S. Highway 49.	262	1968-73	3-26-73	(g)	(†)
02472700	Okatoma Creek tributary at Mt. Olive, Miss.	Lat 31°46', long 89°38', in NE¼ sec.7, T.9 N., R.16 W., St. Stephens meridian, Covington County, at double 6 x 4 foot box culvert on State Highway 532, 0.3 mile east of Mt. Olive.	.33	1965-73	3-24-73	5.85	276
02472810	Okatoma Creek tributary No. 2 near Collins, Miss.	Lat 31°36'30", long 89°32'00", in SW¼ sec.32, T.8 N., R.15 W., St. Stephens meridian, Covington County, at culvert on U.S. Highway 49, 1.6 miles south of Collins.	.21	1967-73	3-24-73	7.54	240
02473047	Gordon Creek at Broad Street at Hattiesburg, Miss.	Lat 31°19'42", long 89°18'14", in NW¼NE¼ sec.9, T.4 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on Broad Street in Hattiesburg.	8.83	1969-73	3-24-73	160.06	3,350

Annual maximum discharge at crest-stage partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Pascagoula River basin--Continued					
02473460	Tallahala Creek at Waldrup, Miss.	Lat 31°57'30", long 89°06'50", in SW¼ sec.31, T.2 N., R.12 E., Choctaw meridian, Jasper County, at bridge on State Highway 528, 0.8 mile west of Waldrup.	e100	1969-73	3-31-73	310.34	7,150
02473480	Tallahattah Creek near Waldrup, Miss.	Lat 31°51'40", long 89°05'10", in NW¼SE¼ sec.3, T.10 N., R.11 W., St. Stephens meridian, Jasper County, on paved county road, 8.7 miles south of Waldrup.	30.7	1965-70‡, 1971-73	3-30-73	16.70	5,660
02473850	Tallahoma Creek tributary at Lake Como, Miss.	Lat 31°57'40", long 89°12'20", on line between SE¼ sec.31, and NE¼ sec.6, T.2 N., R.11 E., Choctaw meridian, Jasper County, at culvert on State Highway 528, 0.5 mile east of Lake Como.	3.21	1966-73	3-30-73	8.81	1,400
02474650	Buck Creek near Runnelstown, Miss.	Lat 31°21'50", long 89°02'55", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens meridian, Perry County, at bridge on State Highway 42, 2.5 miles above mouth, and 3.7 miles east of Runnelstown.	19.1	1951-73	3-30-73	86.57	(†)
02475050	Waterfall Branch near McLain, Miss.	Lat 31°07'10", long 88°45'25" in SW¼NE¼SE¼ sec.23, T.2 N., R.8 W., St. Stephens meridian, Greene County, at culvert on State Highway 57, 4.2 miles east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft lower.	.65	1955-73	3-24-73	8.19	395
02475220	Little Rock Creek tributary near Little Rock, Miss.	Lat 32°31', long 89°01', in NW¼ sec.30, T.8 N., R.13 E., Choctaw meridian, Newton County, at 6 x 5 foot box culvert on State Highway 494, 1.2 miles southeast of Little Rock.	.22	1965-73	3-30-73	3.19	29
02477050	Souinlovey Creek near Baxter, Miss.	Lat 32°13', long 89°08', in NE¼ sec.3, T.4 N., R.11 E., Choctaw meridian, Jasper County, at 10 x 8 foot box culvert on State Highway 15, 2.6 miles north of Baxter.	1.14	1965-73	4-18-73	12.56	1,050
02477090	Powers Creek near Rose Hill, Miss.	Lat 32°07', long 89°02', in NE¼ sec.11, T.3 N., R.12 E., Choctaw meridian, Jasper County, at double 5 x 5 foot culvert on State Highway 18, 3.0 miles southwest of Rose Hill.	.45	1965-73	4-18-73	7.32	380
02477330	Shubuta Creek near Shubuta, Miss.	Lat 31°53', long 88°44', in NW¼ sec.35, T.1 N., R.15 E., Choctaw meridian, Clarke County, at county highway, 1.5 miles northwest of Shubuta, and 5 miles above mouth.	95	1963-73	4-25-73	20.21	5,820
02478600	Granny Branch at Piave, Miss.	Lat 31°23'30", long 88°44'50", in SE¼ sec.13, T.5 N., R.8 W., St. Stephens meridian, Greene County, at culvert on State Highway 63, 0.3 mile southwest of Piave.	.69	1967-73	4-18-73	5.04	205
02479094	Blown Pine Creek near Hattiesburg, Miss.	Lat 31°18'10", long 89°31'00", on line between SW¼ sec.16 and NW¼ sec.21, T.4 N., R.15 W., St. Stephens meridian, Lamar County, at culvert on U.S. Highway 98, 11.3 miles west of intersection of U.S. Highway 49 and 98 in Hattiesburg.	1.60	1967-73	3-24-73	5.60	300
02479138	Walls Creek tributary near Brooklyn, Miss.	Lat 31°06'15", long 89°13'05", in NW¼NE¼SE¼ sec.29, T.2 N., R.12 W., St. Stephens meridian, Forrest County, on U.S. Highway 49, 3.4 miles northwest of Brooklyn.	.37	1966-73	3-24-73	6.45	251
02479165	Mosquito Branch at Benndale, Miss.	Lat 30°51'40", long 88°49'30", in SW¼NE¼ sec. 19, T.2 S., R.8 W., St. Stephens meridian, George County, at State Highway 26, 1.0 mile west of Benndale. Prior to Oct. 1, 1964, at datum 0.99 ft higher.	.22	1955-73	3-24-73	5.24	130
02479187	Red Creek tributary near Wiggins, Miss.	Lat 30°50'55", long 89°13'40", in SW¼NE¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens meridian, Stone County, on State Highway 26, 5.3 miles west of Wiggins.	.22	1966-73	2-13-73	7.57	245
02479260	Bluff Creek tributary near Whites Crossing, Miss.	Lat 30°51'10", long 88°57'30", in NE¼SW¼SE¼ sec.23, T.2 S., R.10 W., St. Stephens meridian, Stone County, on State Highway 26, 5.0 miles east of Whites Crossing.	.82	1966-73	3-24-73	8.13	1,010

Annual maximum discharge at crest-stage partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Pascagoula River basin--Continued					
02480150	Franklin Creek near Grand Bay, Ala.	Lat 30°28'10", long 88°23'10", in NW¼ sec.4, T.7 S., R.4 W., St. Stephens meridian, Mobile County, at bridge on county highway, 0.9 mile east of Miss.-Ala. State line, 2.6 miles west of Grand Bay, Ala., and 3.1 miles upstream from mouth.	16.4	1959-73	3-24-73	11.83	273
		Tchoutacabouffa River basin					
02480500	Tuxachanie Creek near Biloxi, Miss.	Lat 30°31'35", long 88°54'40", in SE¼NW¼ sec. 20, T.6 S., R.9 W., St. Stephens meridian, Harrison County, at bridge on State Highway 15, 7 miles north of city limits of Biloxi.	92.3	1944-52, 1952-71‡, 1972-73	3-25-73	13.76	3,580
		Biloxi River basin					
02481130	Biloxi River near Lyman, Miss.	Lat 30°29'18", long 89°02'09", in SE¼SE¼ sec.25, T.6 S., R.11 W., St. Stephens meridian, Harrison County, on downstream side of left pier of bridge on county highway, 1.2 miles downstream from Little Biloxi River, 4.6 miles east of Lyman.	250.74	1965-73	3-25-73	17.94	9,270
		Wolf River basin					
02481505	Mill Creek tributary near Lizana, Miss.	Lat 30°35'50", long 89°19'10", in NW¼ sec.20, T.5 S., R.13 W., St. Stephens meridian, Harrison County, at culvert on State Highway 53, 6.4 miles northwest of Lizana.	2.29	1967-73	3-24-73	7.68	1,240
		Pearl River basin					
02481900	Coonshuck Creek tributary near House, Miss.	Lat 32°39', long 89°01', in NW¼ sec.12, T.9 N., R.12 E., Choctaw meridian, Neshoba County, at a double 5 x 4 foot box culvert on State Highway 19, 2.3 miles northwest of House, and 9.3 miles southeast of Philadelphia.	.20	1965-73	3-30-73	4.55	128
02482100	Indian Branch near Edinburg, Miss.	Lat 32°46'50", long 89°25'30", in NW¼NE¼NE¼ sec.25, T.11 N., R.8 E., Choctaw meridian, Leake County, on State Highway 16, 5.4 miles west of Edinburg.	1.92	1966-73	12-14-72	3.00	175
02482310	Lobutcha Creek tributary at Wamba, Miss.	Lat 33°02', long 89°27', in NW¼ sec.35, T.14 N., R.8 E., Choctaw meridian, Attala County, at 10 x 10 foot box culvert on State Highway 19, 0.3 mile west of Wamba.	.94	1965-73	3-16-73	7.78	585
02482900	Tallabogue Creek tributary near Harperville, Miss.	Lat 32°32'00", long 89°28'40", in SW¼SE¼ sec.16, T.8 N., R.8 E., Choctaw meridian, Scott County, on State Highway 35, 2.8 miles north of Harperville.	.12	1966-73	4-16-73	4.34	52
02483890	Yockanookany River tributary near McCool, Miss.	Lat 33°10', long 89°25', in SW¼ sec.7, T.15 N., R.9 E., Choctaw meridian, Attala County, at double 6 x 4 foot box culvert on State Highway 12, 4 miles southwest of McCool.	.34	1965-73	3-16-73	4.94	221
02484750	Red Cane Creek tributary near Pisgah, Miss.	Lat 32°28'05", long 89°47'55", on line between NE¼ sec.8 and NW¼ sec.9, T.7 N., R.5 E., Choctaw meridian, Rankin County, at 54-inch circular pipe on State Highway 43, 4.1 miles east of Pisgah.	.10	1965-73	3-24-73	5.21	72
02485380	Hollybush Creek tributary No. 1 near Pisgah, Miss.	Lat 32°26'00", long 89°48'50", in NW¼ sec.20 T.7 N., R.5 E., Choctaw meridian, Rankin County, at 8 x 6 foot box culvert on State Highway 43, 7.2 miles southeast of Pisgah.	.59	1965-73	4-16-73	6.46	335
02485385	Hollybush Creek tributary No. 2 near Pisgah, Miss.	Lat 32°25'40", long 89°48'55", in SW¼ sec.20, T.7 N., R.5 E., Choctaw meridian, Rankin County, at 8 x 4 foot box culvert on State Highway 43, 7.6 miles southeast of Pisgah.	.25	1965-73	4-16-73	5.93	215

Annual maximum discharge at crest-stage partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pearl River basin--Continued					
02485392	Clear Creek tributary near Pelahatchie, Miss.	Lat 32°21'35", long 89°47'55", on line between SW¼ sec.16 and SE¼ sec.17, T.6 N., R.5 E., Choctaw meridian, Rankin County, at 60-inch circular culvert on State Highway 43, 3.3 miles north of intersection on Highways 80 and 43 in Pelahatchie.	0.12	1965-73	4-16-73	6.72	142
02485650	Purple Creek at Jackson, Miss.	Lat 32°22'45", long 90°07'17", in NW¼ sec.8, T.6 N., R.2 E., Choctaw meridian, Hinds County, at Colonial Country Club, 600 ft above old Canton Road bridge, and 1.5 miles above mouth.	5.85	1952-73	4-16-73	96.50	1,480
02485700	Hanging Moss Creek at Jackson, Miss.	Lat 32°22'00", long 90°09'00", in NE¼ sec.13, T.6 N., R.1 E., Choctaw meridian, Hinds County, at bridge on east service road of Interstate 55 (formerly U.S. Highway 51), 1 mile above Whiteoak Creek, and 2 miles above mouth. Prior to Oct. 1, 1961, at datum 73.56 ft lower.	16	1953-73	4-16-73	19.23	3,410
02485800	Eubanks Creek at Jackson, Miss.	Lat 32°20'15", long 90°09'40", in NE¼NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw meridian, Hinds County, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1600 ft upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 miles upstream from mouth. Prior to Oct. 1, 1959, at 1,600 ft downstream at datum 0.74 ft lower.	4.0	1954-73	4-16-73	14.83	2,440
02485900	Neely Creek near Brandon, Miss.	Lat 32°17'58", long 90°03'44", in SW¼ sec.2, T.5 N., R.2 E., Choctaw meridian, Rankin County, at double 8 x 6 foot box culvert on New Airport Road, 5.4 miles west of Brandon.	1.09	1965-73	4-16-73	6.80	661
02486050	Town Creek at Jackson, Miss.	Lat 32°17'35", long 90°11'06", in NW¼SW¼ sec.3, T.5 N., R.1 E., Choctaw meridian, Hinds County, at bridge on Gallatin St. in Jackson, 300 ft above Illinois Central Railroad.	11.3	1953-73	4-16-73	14.80	3,840
02486100	Lynch Creek at Jackson, Miss.	Lat 32°17'15", long 90°13'00", in SE¼ sec.8, T.5 N., R.1 E., Choctaw meridian, Hinds County, at bridge on Valley St. in Jackson, 2,000 ft below U.S. Highway 80, and 2.0 miles above mouth. Prior to Oct. 1, 1958, at site 2,000 ft upstream.	11.1	1955-73	4-16-73	17.32	6,000
02486115	Three Mile Creek at Jackson, Miss.	Lat 32°16'15", long 90°13'00", in NW¼SE¼ sec.17, T.5 N., R.1 E., Choctaw meridian, Hinds County, 300 ft downstream from old U.S. Highway 51 (Terry Road), 0.6 mile above Illinois Central Railroad.	1.12	1962-73	4-16-73	280.40	1,270
02486240	Richland Creek tributary near Brandon, Miss.	Lat 32°13'30", long 90°01'10", on line between sec.32, T.5 N., R.3 E. and sec.6, T.4 N., R.3 E., Choctaw meridian, Rankin County, on State Highway 469, 4.6 miles southwest of Brandon.	.12	1966-73	4-16-73	5.17	64
02487300	Strong River near Puckett, Miss.	Lat 32°04', long 89°45', in SE¼SE¼ sec.26, T.3 N., R.4 E., Choctaw meridian, Rankin County, at State Highway 18, 2 miles southeast of Puckett.	--	1958-73	3-25-73	22.15	3,820
02487500	Strong River at D'Lo, Miss.	Lat 31°58'45", long 89°54'05", in SW¼ sec.28, T.2 N., R.4 E., Choctaw meridian, on left bank at downstream side of old U.S. Highway 49, 0.2 mile south of D'Lo.	429	1928-71‡, 1972-73	4-19-73	24.50	7,960
02487670	Boggans ditch near Mendenhall, Miss.	Lat 31°53'10", long 89°53'20", in NE¼NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw meridian, Simpson County, at culvert on State Highway 13, 5.5 miles south of Mendenhall. Prior to Oct. 1, 1964, at datum 1.27 ft higher.	.91	1955-73	4-16-73	6.72	509

Annual maximum discharge at crest-stage partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pearl River basin--Continued					
02487690	Baking Powder Draw near Prentiss, Miss.	Lat 31°50'20", long 89°53'00", in SE¼NE¼NW¼ sec.14, T.10 N., R.19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 4.9 miles north of Jefferson Davis-Simpson County line, and 16.0 miles north of Prentiss. Prior to Oct. 1, 1964, at datum 1.37 ft higher.	0.82	1955-73	3-24-73	6.97	532
02487710	Barretts Branch near Pinola, Miss.	Lat 31°52'50", long 90°02'40", in NE¼NE¼SE¼ sec.36, T.1 N., R.2 E., Choctaw meridian, Simpson County, at culvert on State Highway 28, 5 miles west of Pinola. Prior to Oct. 1, 1964, at datum 0.79 ft lower.	.88	1955, 1957-73	3-24-73	6.05	308
02487770	Bradleys ditch near Pinola, Miss.	Lat 31°52'50", long 90°05'30", in NW¼NW¼SW¼ sec.34, T.1 N., R.2 E., Choctaw meridian, Simpson County, at culvert on State Highway 28, 8.5 miles west of Pinola. Prior to Oct. 1, 1964, at datum 1.09 ft higher.	.54	1955-73	3-24-73	6.35	306
02487900	Copiah Creek near Hazlehurst, Miss.	Lat 31°53'23", long 90°17'10", in SW¼SE¼ sec.27, T.1 N., R.1 W., Choctaw meridian, Copiah County, at bridge on State Highway 28, 6.2 miles east of Hazlehurst.	48.6	1948-65, 1966-68‡, 1969-73	3-25-73	17.61	5,750
02488340	Small Pine ditch near Monticello, Miss.	Lat 31°32'50", long 90°15'40", in SW¼SW¼NW¼ sec.25, T.7 N., R.9 E., Washington meridian, Lawrence County, at culvert on U.S. Highway 84, 9 miles west of Monticello. Prior to Oct. 1, 1964, at datum 0.84 ft higher.	.16	1955-73	3-24-73	8.24	281
02488510	Roadside Park ditch near Monticello, Miss.	Lat 31°34'30", long 90°03'20", in SW¼SE¼NW¼ sec.18, T.7 N., R.12 E., St. Stephens meridian, Lawrence County, at culvert on U.S. Highway 84, 3.0 miles east of Monticello. Prior to Oct. 1, 1964, at datum 0.86 ft higher.	.25	1955-73	3- 6-73	6.75	264
02488540	Newhebron Gulley at Newhebron, Miss.	Lat 31°44', long 90°00', in NW¼SW¼SE¼ sec.22, T.9 N., R.20 W., St. Stephens meridian, Lawrence County, at 16 x 10 foot box culvert on paved county highway, 0.9 mile west of Newhebron.	2.50	1965-73	3-24-73	11.17	1,620
02488550	Goines Draw near Prentiss, Miss.	Lat 31°47'00", long 89°52'40", in NE¼NW¼NE¼ sec.2, T.9 N., R.19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 12.2 miles north of Prentiss.	.34	1955-73	3-30-73	7.35	324
02488680	Plum ditch near Prentiss, Miss.	Lat 31°35'20", long 89°56'40", on line between NE¼ and SE¼ sec.7, T.7 N., R.19 W., St. Stephens meridian, Jefferson Davis County, at culvert on U.S. Highway 84, 4.2 miles west of Prentiss.	.23	1955-73	3-24-73	7.04	203
02489030	Elmers Draw near Columbia, Miss.	Lat 31°12'00", long 89°58'00", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington meridian, Marion County, at U.S. Highway 98, 5.7 miles west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft higher.	.91	1955-73	3-24-73	8.05	456
02489160	Kokomo Draw at Kokomo, Miss.	Lat 31°11'30", long 90°00'00", in SW¼SE¼SW¼ sec.28, T.3 N., R.12 E., Washington meridian, Marion County, at culvert on U.S. Highway 98, at Kokomo. Prior to Oct. 1, 1964, at datum 1.20 ft higher.	1.26	1955-73	3-24-73	5.53	414
02490550	Middle Fork Hickory Flat near Tylertown, Miss.	Lat 31°10', long 90°13', on line between secs. 5 and 8, T.2 N., R.10 E., Washington meridian, Walthall County, at culvert on U.S. Highway 98, 0.2 mile above Fernwood, Columbia, and Gulf Railroad, and 3.5 miles northwest of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft lower.	1.37	1953-73	3-24-73	6.28	680
02492360	West Hobolochitto Creek near McNeill, Miss.	Lat 30°39'42", long 89°41'10", in NW¼NE¼ sec.34, T.4 S., R.17 W., St. Stephens meridian, Pearl River County, at bridge on county road, 3.1 miles west of McNeill.	175	1966-68‡, 1969-73	9-13-73	21.13	8,460

Annual maximum discharge at crest-stage partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Hatchie River basin					
07029252	Pool Branch near Ripley, Miss.	Lat 34°42'50", long 88°47'20", in NW¼NW¼ sec.28, T.4 S., R.5 E., Chickasaw meridian, Tippah County, on State Highway 4, 10.1 miles east of Ripley.	1.24	1966-73	3-15-73	7.55	510
		Wolf River basin					
07030565	Wesley Branch near Walnut, Miss.	Lat 34°57'00", long 89°05'20", in SE¼ sec.33, T.1 S., R.2 E., Chickasaw meridian, Benton County, on U.S. Highway 72, 10.5 miles west of Walnut.	2.17	1966-73	4-20-73	4.92	342
		Yazoo River basin					
07267000	Hell Creek near New Albany, Miss.	Lat 34°30'55", long 89°03'10", in SW ¼ sec.36, T.6 S., R.2 E., Chickasaw meridian, Union County, at bridge on U.S. Highway 78, 3 miles northwest of New Albany, and 4.5 miles above mouth.	27.3	1939-42‡, 1952-73	3-15-73	16.60	4,750
07267150	Jones Creek tributary near New Albany, Miss.	Lat 34°26'00", long 89°01'00", on line between NE¼ sec.31 and NW¼ sec.32, T.7 S., R.3 E., Chickasaw meridian, Union County, on State Highway 15, 3.4 miles south of New Albany.	.34	1966-73	5-27-73	6.83	244
07267200	Cracker ditch near Pontotoc, Miss.	Lat 34°17'30", long 89°11'40", in SE¼NW¼NW¼ sec.22, T.9 S., R.1 E., Chickasaw meridian, Pontotoc County, at culvert on State Highway 6, 11 miles west of Pontotoc. Prior to Oct. 1, 1964, at datum 11.43 ft lower.	.23	1955-73	3-15-73	6.06	151
07268500	Cypress Creek near Etta, Miss.	Lat 34°26', long 89°17', in SE¼ sec.27, T.7 S., R.1 W., Chickasaw meridian, Lafayette County, at bridge on State Highway 30, 4.5 miles southwest of Etta, and 5 miles above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher.	28.5	1939-42‡, 1952-73	3-15-73	16.33	7,400
07269000	North Tippah Creek near Ripley, Miss.	Lat 34°44', long 89°02', in SW¼ sec.18, T.4 S., R.3 E., Chickasaw meridian, Tippah County, at bridge on State Highway 4, 2 miles upstream from Tippah Creek, and 5.5 miles west of Ripley.	20.0	1939-42‡, 1952-73	3-15-73	20.34	5,400
07274250	Otoucalofa Creek at Water Valley, Miss. (Prior to Oct. 1, 1972, published as Otuckalofa Creek.)	Lat 34°08'25", long 89°38'17", in SW¼NE¼ sec.8, T.11 S., R.4 W., Chickasaw meridian, Yalobusha County, at bridge on State Highway 7, 0.9 mile south of Water Valley, and 5.2 miles above mouth.	84.1	1952-73	3-15-73	26.84	10,400
07275500	Long Creek near Courtland, Miss.	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw meridian, Panola County, at bridge on U.S. Highway 51, 1 mile south of Courtland, 5.5 miles above mouth, and 6 miles south of Batesville.	66.2	1940-43‡, 1952-73	3-15-73	20.15	13,300
07277550	James Wolf Creek tributary near Looxahoma, Miss.	Lat 34°36'45", long 89°50'30", on line between SW¼ sec.28 and NW¼ sec.33, T.5 S., R.6 W., Chickasaw meridian, Tate County, at double 8 x 5 foot box culvert on State Highway 4, 1.2 miles north of Looxahoma, and 7.8 miles east of Senatobia.	.29	1965-73	4-20-73	5.14	232
07282300	Sabougla Creek tributary at Sabougla, Miss.	Lat 33°46'10", long 89°27'30", in SE¼ sec.16, T.22 N., R.8 E., Choctaw meridian, Calhoun County, at culvert on State Highway 8, 0.5 mile south of Sabougla.	.50	1967-73	3-16-73	6.16	165
07283490	Caney Creek near Coffeeville, Miss.	Lat 33°55'40", long 89°38'20", in SE¼NE¼SW¼ sec.23, T.24 N., R.6 E., Choctaw meridian, Yalobusha County, at culvert on State Highway 330, 4.2 miles east of Coffeeville. Prior to Oct. 1, 1964, at datum 8.88 ft lower.	1.97	1955-73	1-21-73	8.13	969

Annual maximum discharge at crest-stage partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
		Yazoo River basin--Continued					
07285100	Tie Plant Branch near Grenada, Miss.	Lat 33°43'40", long 89°47'20", in SE¼NE¼SE¼ sec.32, T.22 N., R.5 E., Choctaw meridian, Grenada County, on U.S. Highway 51, 3.3 miles south of Grenada.	0.13	1966-73	1-21-73	5.46	151
07285700	Long Creek near Cascilla, Miss.	Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw meridian, Tallahatchie County, at 16 x 12 foot box culvert on county highway, 1.1 miles east of Cascilla.	1.64	1965-73	4-24-73	6.88	620
07286010	Brushy Creek tributary near Oxberry, Miss.	Lat 33°50'45", long 90°03'10", in NE¼ sec.23, T.23 N., R.2 E., Choctaw meridian, Tallahatchie County, at 24 x 12 foot culvert on State Highway 35, 4.5 miles north of Oxberry.	1.49	1965-73	4-24-73	6.05	722
07286047	Tippo Bayou tributary at Phillip, Miss.	Lat 33°45'30", long 90°11'30", in NE¼ sec.21, T.22 N., R.1 E., Choctaw meridian, Tallahatchie County, at culvert on State Highway 8, 0.8 mile east of Illinois Central Railroad in Phillip.	.04	1967-73	1-20-73	3.74	15
07286320	Big Sand Creek tributary near North Carrollton, Miss.	Lat 33°31'30", long 89°52'50", on line between SE¼ and NE¼ sec.9, T.19 N., R.4 E., Choctaw meridian, Carroll County, at 36-inch corrugated pipe on county highway 2.4 miles east of North Carrollton.	.09	1965-73	1-21-73	5.63	46
07287050	Palusha Creek tributary near Carrollton, Miss.	Lat 33°28', long 89°57', in SE¼ sec.35, T.19 N., R.3 E., Choctaw meridian, Carroll County, at 8 x 6 foot box culvert on State Highway 17, 3.4 miles south of Carrollton.	.43	1965-73	1-21-73	3.94	81
07287140	Martin Lake tributary at Sidon, Miss.	Lat 33°27'10", long 90°12'30", in SW¼ sec.4, T.18 N., R.1 E., Choctaw meridian, Leflore County, at culvert on U.S. Highway 49 E., 3.1 miles north of Sidon.	.26	1967-73	3-17-73	6.49	(†)
07287165	Mosquito Lake tributary No. 1 at Itta Bena, Miss.	Lat 33°28'55", long 90°19'30", in SE¼NW¼ sec.29, T.19 N., R.1 W., Choctaw meridian, Leflore County, on State Highway 7, 0.5 mile south of compress at Itta Bena.	.11	1966-73	3-15-73	5.02	68
07287170	Mosquito Lake tributary No. 2, at Itta Bena, Miss.	Lat 33°28'45", long 90°19'20", in NE¼NW¼ sec.29, T.19 N., R.1 W., Choctaw meridian, Leflore County, on State Highway 7, 0.8 mile south of compress at Itta Bena.	.13	1966-73	3-15-73	4.23	80
07287350	Fannegusha Creek near Tchula, Miss.	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw meridian, Holmes County, on State Highway 12, 3 miles east of Tchula.	100	1953-65h, 1968-73	3-15-73	158.89	16,300
07287505	Broad Lake tributary No. 1 near Yazoo City, Miss.	Lat 32°52'50", long 90°29'40", in SE¼SW¼ sec.15, T.12 N., R.3 W., Choctaw meridian, Yazoo County, on U.S. Highway 49W, 3.6 miles northwest of Yazoo River bridge near Yazoo City.	.11	1966-73	3-16-73	4.95	21
07287520	Short Creek tributary near Yazoo City, Miss.	Lat 32°48'15", long 90°22'20", in NE¼ sec.14, T.11 N., R.2 W., Choctaw meridian, Yazoo County, at double 8 x 8 box culvert on U.S. Highway 49, 3.5 miles southeast of Yazoo City.	1.49	1965-73	3-24-73	9.50	1,020
07288568	Quiver River tributary near Schlater, Miss.	Lat 33°38'30", long 90°24'30", in SE¼ sec.33, T.21 N., R.2 W., Choctaw meridian, Leflore County, at culvert on State Highway 442, 3.4 miles west of Schlater.	.18	1967-73	1-21-73	5.11	32
		Big Black River basin					
07289100	Big Black River tributary near Eupora, Miss.	Lat 33°32'00", long 89°17'40", in SW¼ sec.6, T.19 N., R.10 E., Choctaw meridian, Webster County, at double 12 x 5 foot box culvert on U.S. Highway 82, 1.8 miles southwest of Eupora.	2.29	1965-73	3-15-73	6.70	775

Annual maximum discharge at crest-stage partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Big Black River basin--Continued					
07289225	Downing Branch near French Camp, Miss.	Lat 33°19', long 89°25', in SW¼ sec.24, T.17 N., R.8 E., Choctaw meridian, Choctaw County, at 12 x 12 foot box culvert on State Highway 413, 2.0 miles north of French Camp.	1.74	1965-73	3-15-73	8.11	524
07289268	Hays Creek tributary near Vaiden, Miss.	Lat 33°21'20", long 89°48'00", in NW¼NW¼ sec.8, T.17 N., R.5 E., Choctaw meridian, Carroll County, on State Highway 35, 4.3 miles northwest of Highway 51 near Vaiden.	.40	1966-73	3-15-73	7.97	466
07289395	Sharkey Creek tributary near West, Miss.	Lat 33°08'45", long 89°44'30", in NW¼ sec.24, T.15 N., R.5 E., Choctaw meridian, Attala County, at culvert on State Highway 19, 4.7 miles southeast of West.	.30	1967-73	12-14-72	6.04	140
07289470	Tacketts Creek tributary near Pickens, Miss.	Lat 32°56', long 89°58', on line between NE¼ and SE¼ sec.34, T.13 N., R.3 E., Choctaw meridian, Holmes County, at 6 x 6 foot box culvert on State Highway 17, 3.6 miles north of Pickens.	.15	1965-73	3-15-73	5.92	130
07289600	Tilda Bogue near Canton, Miss.	Lat 32°39'15", long 90°00'50", in SW¼ sec.5, T.9 N., R.3 E., Choctaw meridian, Madison County, at bridge on U.S. Highway 51, 3 miles north of Canton, and 3.5 miles above mouth.	24.4	1948-73	3-15-73	18.17	4,700
07289640	Panther Creek near Flora, Miss.	Lat 32°33'57", long 90°10'22", in SW¼ sec.2, T.8 N., R.1 E., Choctaw meridian, Madison County, at 6 x 5 foot box culvert on State Highway 22, 8.0 miles northeast of Flora.	.26	1965-73	3-10-73	7.17	252
07289641	Panther Creek tributary near Flora, Miss.	Lat 32°34'00", long 90°10'05", in SW¼ sec.2, T.8 N., R.1 E., Choctaw meridian, Madison County, at 5 x 2.2 foot culvert on State Highway 22, 8.3 miles northeast of Flora.	.07	1965-73	3-10-73	7.42	140
*07290005	Clear Creek near Bovina, Miss.	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.6 N., R.5 W., Choctaw meridian, Warren County, on county road, 1 mile northeast of Bovina.	e36	1953-73	3-16-73	d29.33	18,000
		Bayou Pierre basin					
07290220	Dry Draw near Brookhaven, Miss.	Lat 31°38'35", long 90°25'50", in NW¼SW¼SW¼ sec.20, T.8 N., R.8 E., Washington meridian, Lincoln County, on U.S. Highway 51, 4.5 miles north of Brookhaven.	.20	1966-73	3-24-73	8.48	344
07290525	Whiteoak Creek tributary near Utica, Miss.	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw meridian, Hinds County, at 12 x 12 foot box culvert on State Highway 27, 6.3 miles southeast of Utica.	1.36	1965-73	1-31-73	8.17	606
07290690	Clarks Creek near Pattison, Miss.	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington meridian, Claiborne County, at bridge on county highway, 1.3 miles above mouth, and 2.5 miles east of Pattison.	77.4	1961-62‡, 1963-73	3-24-73	d20.43	9,770
07290830	Little Creek near Fayette, Miss.	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington meridian, Jefferson County, at culvert on State Highway 33, 2 miles south of Fayette.	1.71	1967-73	5- 2-73	11.00	985
07290870	Coles Creek near Fayette, Miss.	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington meridian, Jefferson County, at bridge on county highway, 0.7 mile below confluence of North and South Forks of Coles Creek, and 10 miles northwest of Fayette.	257	1961-62‡, 1963-73	3-24-73	25.80	40,000
		St. Catherine Creek basin					
07290910	Spanish Bayou at Natchez, Miss.	Lat 31°31'50", long 91°22'25", in sec.46, T.7 N., R.3 W., Washington meridian, Adams County, at culvert on U.S. Highways 84 and 65, at southern city limits of Natchez.	2.59	1967-73	3-24-73	12.27	1,350

Annual maximum discharge at crest-stage partial-record stations during water year 1973--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Homochitto River basin							
07291250	McCall Creek near Lucien, Miss.	Lat 31°30'24", long 90°38'45", in SW¼ sec.6, T.6 N., R.6 E., Washington meridian, Franklin County, at U.S. Highway 84, 0.8 mile east of Lucien.	e60	1953, 1955-73	3-24-73	89.66	19,800
07291260	Beaver Run near McCall Creek, Miss.	Lat 31°30'30", long 90°43'10", in NW¼NE¼NE¼ sec.8, T.6 N., R.5 E., Washington meridian, Franklin County, at culvert on U.S. Highway 84, 1.4 miles west of McCall Creek. Prior to Oct. 1, 1964, at datum 0.56 ft higher.	2.61	1955-73	3-24-73	9.06	905
07294400	Observers Draw near Doloroso, Miss.	Lat 31°19'10", long 91°21'20", between secs.10 and 22, T.4 N., R.2 W., Washington meridian, Wilkinson County, at culvert on U.S. Highway 61, 1.3 miles north of Doloroso. Prior to Oct. 1, 1964, at datum 0.80 ft higher.	.22	1954-73	3-24-73	8.00	260
Thompson Creek basin							
07373550	Moores Branch near Woodville, Miss.	Lat 31°05'20", long 91°14'30", in SE¼SW¼ sec.32, T.2 N., R.1 W., Washington meridian, Wilkinson County, at State Highway 24, 3.3 miles east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft lower.	.21	1955-73	3-24-73	9.90	455
Mississippi River Delta							
07375235	Tangipahoa River tributary near McComb, Miss.	Lat 31°12'30", long 90°31'40", in NE¼SE¼ sec.19, T.3 N., R.7 E., Washington meridian, Pike County, on State Highway 24, 4.8 miles southwest of McComb.	2.71	1966-73	3-24-73	10.23	1,460
07376665	Stock Pond Draw near Liberty, Miss.	Lat 31°10'15", long 90°45'20", in NW¼SE¼NE¼ sec.1, T.2 N., R.4 E., Washington meridian, Amite County, on State Highway 24, 3.4 miles east of Liberty.	.38	1966-73	3-24-73	7.82	394
07376760	CRS Draw near Liberty, Miss.	Lat 31°06'50", long 90°54'10", in SW¼NW¼NW¼ sec.32, T.2 N., R.3 E., Washington meridian, Amite County, on State Highway 48, 6.6 miles west of intersection with Highway 24 in Liberty.	.80	1966-73	3-24-73	10.17	764

* Also a low-flow partial-record station.
† Discharge not determined.
‡ Operated as a continuous-record gaging station.
a Discontinued as a crest-stage station; established as a continuous-record station 06-07-73.
b Discontinued as a crest-stage station; established as a continuous-record station 10-01-72.
c Corrected.
d From floodmark.
e Approximately.
f Gage height and discharge measurements in files of Corps of Engineers.
g High-water mark was not obtained.
h Published at site near Howard, 3 miles downstream.

Discharge measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†); estimates of peak flow by two daggers (††).

Discharge measurements made at miscellaneous sites during water year 1973

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin						
Tombigbee River	Mobile River	Lat 33°34'40", long 88°29'34", on line between sec.23, T.17 S., R.19 W., Huntsville meridian and sec.30 T.17 S., R.8 E., Chickasaw meridian (revised), Lowndes County, 1.8 miles upstream from the Columbus and Greenville Railway bridge, 7.5 miles northwest of Columbus, Miss.	3,320	1962	3-18-73	†164,000
Pascagoula River basin						
Etehoma Creek	Big Creek	Lat 31°57'55", long 89°17'35", in NW¼ sec.4, T.1 N., R.10 E., Choctaw meridian, Jasper County, above sewage lagoon at Bay Springs, Miss.	-	-	10-19-72	*.06
Etehoma Creek	Big Creek	Lat 31°57'55", long 89°17'35", in NW¼ sec.4, T.1 N., R.10 E., Choctaw meridian, Jasper County, below sewage lagoon at Bay Springs, Miss.	-	-	10-19-72	*.29
Oakey Woods Creek	Leaf River	Lat 31°41'02", long 89°28'00", in SW¼ sec.1, T.8 N., R.15 W., St. Stephens meridian, Covington County, on U.S. Highway 84, 6 miles northwest of Collins, Miss.	a15	1943, 1951-52, 1954-57, 1959-60 1967	4-25-73	735
Station Creek	Oakey Woods Creek	Lat 31°39'56", long 89°30'30", in NE¼ sec.16, T.8 N., R.15 W., St. Stephens meridian, Covington County, on U.S. Highway 84, 3 miles northeast of Collins, Miss.	a59	1943, 1951-52, 1954-57, 1959-60, 1971	10-17-72	*5.83
Okatoma Creek	Bowie Creek	Lat 31°51'55", long 89°41'26", in E½ sec.3, T.10 N., R.17 W., St. Stephens meridian, Simpson County, at bridge on State Highway 28, 2.8 miles east of Magee, Miss.	a38	1960-62, 1971	12-21-72	†1,870
Leaf River	Pascagoula River	Lat 31°15'40", long 89°13'35", in SW¼SW¼ sec.32, T.4 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on county road, 2.7 miles southeast of Palmer, Miss.	-	1971-72	1-11-73	6,860
Myers Creek	Leaf River	Lat 31°14', long 89°16', in SE¼ sec.11, T.3 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on U.S. Highway 49, 5.5 miles south of Hattiesburg, Miss.	-	1953-57	10-18-72	3.36
Tallahoma Creek	Tallahala Creek	Lat 31°57'40", long 89°13'34", on line between sec.36, T.2 N. and sec.1, T.1 N., R.10 E., Choctaw meridian, Jasper County, at bridge on State Highway 528, at Lake Como, Miss.	-	-	4-25-73	1,960
Tallahala Creek	Leaf River	Lat 31°36'34", long 89°10'54", in SE¼ sec.34, T.8 N., R.12 W., St. Stephens meridian, Jones County, at bridge on county road, 0.8 mile northeast of Ellisville, Miss.	-	-	4- 3-73 4-27-73	7,760 †12,000
Thompson Creek	Leaf River	Lat 31°29'14", long 88°52'17", in NW¼ sec.14, T.6 N., R.9 W., St. Stephens meridian, Wayne County, at bridge on county road, 1.8 miles northwest of Mulberry, Miss.	-	1969	10-18-72	*.13
Piney Woods Creek (Formerly published as Gaines Creek)	Leaf River	Lat 31°20'20", long 88°50'52", in NE¼ sec.1, T.4 N., R.9 W., St. Stephens meridian, Perry County, at bridge on county road, 5 miles east of Richton, Miss.	54	1943, 1951, 1953-56, 1957	10-20-72	*.07
Turkey Creek tributary	Turkey Creek	Lat 32°20'23", long 89°05'59", in NW¼ sec.29, T.6 N., R.12 E., Choctaw meridian, Newton County, at culvert on U.S. Highway 80, 2 miles upstream from mouth, and 3.8 miles northeast of Newton, Miss.	-	1953, 1955-56	10-19-72	0
Okatibbee Creek	Chickasawhay River	Lat 32°18'32", long 88°45'34", in NW¼ sec.3, T.5 N., R.15 E., Choctaw meridian, Lauderdale County, at bridge on U.S. Highway 11, 0.5 mile north of Arundel, Miss.	-	-	5- 8-73	†1,560

Discharge measurements made at miscellaneous sites during water year 1973--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Pascagoula River basin--Continued						
Buckatunna Creek	Chickasawhay River	Lat 32°05'30", long 88°34'54", in NW¼ sec.20, T.3 N., R.17 E., Choctaw meridian, Clarke County, on State Highway 18, at Sykes, Miss.	120	1953-57, 1960-61, 1964, 1966, 1968, 1971	10-19-72	*2.04
Long Creek	Buckatunna Creek	Lat 32°05'40", long 88°36'40", in NE¼ sec.24, T.3 N., R.16 E., Choctaw meridian, Clarke County, on State Highway 18, 8 miles northeast of Quitman, Miss.	a75	1953-57, 1960-61, 1964, 1968, 1971	10-19-72	*3.83
Buckatunna Creek	Chickasawhay River	Lat 31°55'46", long 88°30'20", in NE¼ sec.13, T.1 N., R.17 E., Choctaw meridian, Clarke County, at county road, 5 miles east of Carmichael, Miss.	a330	1968-69, 1971	10-18-72	*7.84
Black Creek	Pascagoula River	Lat 31°24'40", long 89°38'50", in SW¼ sec.7, T.5 N., R.16 W., St. Stephens meridian, Lamar County, at bridge on county road, 2.5 miles south of Melba, Miss.	a14	1971-72	12-21-72	1,070
Black Creek	Pascagoula River	Lat 31°21'52", long 89°35'54", in SW¼ sec.27, T.5 N., R.16 W., St. Stephens meridian, Lamar County, at bridge on county road, 4.3 miles southwest of Coral, Miss.	a21	1971	12-21-72	2,030
Black Creek	Pascagoula River	Lat 31°20'08", long 89°34'32", in SE¼ sec.2, T.4 N., R.16 W., St. Stephens meridian, Lamar County, on county highway, 3 miles north of U.S. Highway 98, and 3.5 miles north of Olah, Miss.	-	-	12-21-72	†2,000
Black Creek	Pascagoula River	Lat 31°18'45", long 89°32'32", in NE¼ sec.18, T.4 N., R.15 W., St. Stephens meridian, Lamar County, on county highway, 1.2 miles north of U.S. Highway 98, and 5.5 miles southwest of Clyde, Miss.	a46	1972	12-22-72	†2,030
Black Creek b/	Pascagoula River	Lat 31°18'00", long 89°31'36", in NE¼ sec.20, T.4 N., R.15 W., St. Stephens meridian, Lamar County, on U.S. Highway 98, 10.4 miles west of I-59, at Hattiesburg, Miss.	a56	1960, 1966-67	12-22-72	†2,260
Black Creek	Pascagoula River	Lat 31°16'35", long 89°29'24", in SE¼ sec.27, T.4 N., R.15 W., St. Stephens meridian, Lamar County, on county highway, 2.9 miles downstream from U.S. Highway 98, and 1.7 miles west of State Highway 589, about 5 miles northeast of Tatums Camp, Miss.	a71	-	12-22-72	2,540
Perkins Creek	Black Creek	Lat 31°18'50", long 89°27'42", in NW¼ sec.13, T.4 N., R.15 W., St. Stephens meridian, Lamar County, on U.S. Highway 98, approximately 8 miles west of Hattiesburg, Miss.	-	-	12-06-72	326
Black Creek	Pascagoula River	Lat 31°06'53", long 89°17'47", in SW¼ sec.22, T.2 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on county highway, 6 miles southwest of McLaurin, Miss.	-	1972	10-17-72	45.2
Boggy Hollow Creek	Little Black Creek	Lat 31°05'07", long 89°25'00", on line between secs. 32 and 33, T.2 N., R.14 W., St. Stephens meridian, Lamar County, at bridge on U.S. Highway 11, 5.9 miles north of Lumberton, Miss.	22.4	1953-57, 1963, 1966, 1972	10-18-72	*8.44
Little Black Creek	Black Creek	Lat 31°06'12", long 89°18'52", in SW¼ sec.28, T.2 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on county road, 5.5 miles southeast of Purvis, Miss.	-	1972	10-17-72	*29.3
Little Beaver Creek	Little Black Creek	Lat 31°06'12", long 89°18'48", in SW¼ sec.21, T.2 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on county road, 4.8 miles east of Purvis, Miss.	-	1972	10-17-72	*2.12
Black Creek	Pascagoula River	Lat 30°59'40", long 89°03'02", in NW¼ sec.1, T.1 S., R.11 W., St. Stephens meridian, Perry County, at bridge on State Highway 29, 2 miles south of Janice, Miss.	471	1945-46, 1954, 1960, 1972	10-19-72	98.2

Discharge measurements made at miscellaneous sites during water year 1973--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Tchoutacabouffa River basin						
Tuxachanie Creek	Tchoutacabouffa River	Lat 30°34'33", long 88°56'18", in SE¼ sec.25, T.5 S., R.10 W., St. Stephens meridian, Harrison County, at point 2.3 miles downstream from mouth of Camp Creek, 2.5 miles upstream from mouth of Hester Creek near Biloxi, Miss.	-	1972	10-13-72	*0.66
Tuxachanie Creek	Tchoutacabouffa River	Lat 30°32'40", long 88°57'03", in SE¼SE¼ sec.2, T.6 S., R.10 W., St. Stephens meridian, Harrison County, on county road at White Plains Church near Biloxi, Miss.	77.16	1972	10-19-72	*2.75
Wolf River basin						
Wolf Creek	Wolf River	Lat 30°52'35", long 89°29'14", in NW¼ sec.15, T.2 S., R.15 W., St. Stephens meridian, Pearl River County, on I-59, 3 miles northeast of Poplarville, Miss.	-	-	10-12-72	6.38
Wolf River b/	Gulf of Mexico	Lat 30°30'49", long 89°28'22", in W½ sec.26, T.2 S., R.15 W., St. Stephens meridian, Pearl River County, at bridge on State Highway 26, 4 miles east of Poplarville, Miss.	72.6	1952-71c, 1972	5-12-72	†d2,240
Wolf River	Gulf of Mexico	Lat 30°48'30", long 89°26'15", in SW¼ sec.6, T.3 S., R.15 W., St. Stephens meridian, Pearl River County, at bridge on Old State Highway 26, at Progress School, Miss.	102	-	10-12-72	12.5
Wolf Creek	Gulf of Mexico	Lat 30°46'32", long 89°24'20", in NW¼ sec.21, T.3 S., R.14 W., St. Stephens meridian, Pearl River County, on farm road near Silver Run, Miss.	-	-	10-11-72	16.9
Wolf River	Gulf of Mexico	Lat 30°43'28", long 89°21'11", in SW¼ sec.1, T.3 S., R.14 W., St. Stephens meridian, Pearl River County, at bridge on old Highway 26, at Silver Run, Miss.	180	-	10- 3-72	38.9
Jourdan River basin						
Catahoula Creek	Jourdan River	Lat 30°32'04", long 89°31'34", in SW¼ sec.8, T.6 S., R.15 W., St. Stephens meridian, Hancock County, on county road, 3.5 miles south of Caesar, Miss.	29.4	1971	10-19-72	2.52
Pearl River basin						
Bogue Chitto	Pearl River	Lat 32°45'04", long 88°52'25", on line between sec.33, T.11 N. and sec.4, T.10 N., R.14 E., Choctaw meridian Kemper County, on State Highway 16, 2.5 miles west of Cleveland, Miss.	-	-	4-16-73	900
Sorghum Branch	Bogue Chitto	Lat 32°45'04", long 88°53'16", on line between sec.31, T.11 N., and sec.6, T.10 N., R.14 E., Choctaw meridian, Kemper County, 5 miles west of Cleveland, Miss.	-	-	4-16-73	676
Land Creek	Bogue Chitto	Lat 32°45'04", long 88°50'44", on line between sec.2, T.10 N. and sec.35, T.11 N., R.14 E., Choctaw meridian, Kemper County, at Cleveland, Miss.	-	-	4-16-73	200
Tallabogue Creek	Tuscolameta Creek	Lat 32°24'10", long 89°28'52", in SE¼ sec.33, T.7 N., R.8 E., Choctaw meridian, Scott County, at State Highway 35, 2 miles north of Forest, Miss.	-	-	2- 1-73	744
					2- 1-73	1,070
Pearl River	Gulf of Mexico	Lat 32°23'50", long 90°03'57", in NW¼ sec.2, T.6 N., R.2 E., Choctaw meridian, Hinds County, at Barnett Reservoir, 3 miles northeast of city limits of Jackson, Miss.	a3,000	-	11-17-62	223
					11-21-62	179
					11 23-62	245
					11-29-62	305
					12-11-62	194
					12-21-62	179
					12-31-62	202
					01- 2-63	364
					4- 2-63	1,830
					9-23-63	84.6
					11- 4-63	73.0
					1- 6-66	1,430
					1-11-67	901
					8-20-71	254
					1-23-73	8,910
					1-23-73	8,640

Discharge measurements made at miscellaneous sites during water year 1973--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Pearl River basin--Continued						
Diversion ditch	Pearl River	Lat 32°25'18", long 90°05'50", near center of sec.28, T.7 N., R.2 E., Choctaw meridian, Madison County, near Barnett Reservoir, near Ridgeland, Miss.	-	-	12-15-72	880
Big Creek	Pearl River	Lat 32°10'35", long 90°16'22", in NW¼ sec.23, T.4 N., R.1 W., Choctaw meridian, Hinds County, at bridge on old U.S. Highway 51, 1.0 mile southwest of Byram, Miss	-	1950c, 1953-54c, 1955	4-16-73	7,380
Rhodes Creek b/	Pearl River	Lat 32°07'05", long 90°18'06", in NE¼ sec.9, T.3 N., R.1 W., Choctaw meridian, Hinds County, at bridge on old U.S. Highway 51, 1.0 mile above Harris Creek, and 1.2 miles north of Terry, Miss.	20.9	1948-69c	4-16-73	4,780
Fair River b/	Pearl River	Lat 31°37'03", long 90°07'48", in SE¼ sec.31, T.8 N., R.11 E., Washington meridian, Lawrence County, on State Highway 27, 4.5 miles north of Monticello, Miss.	a85	1955-56, 1959-60, 1964, 1966-67, 1969-71	3- 5-73	296
Pearl River	Gulf of Mexico	Lat 31°37'05", long 90°05'20", in SW¼ sec.35, T.8 N., R.21 W., St. Stephens meridian, Lawrence County, at St. Regis Paper Company, 2 miles east of Rosella, Miss.	-	1969-72	3- 5-73	8,910
Silver Creek	Pearl River	Lat 31°43'47", long 89°58'04", in SW¼ sec.24, T.9 N., R.20 W., St. Stephens meridian, Jefferson Davis County, at bridge on State Highway 42, 0.6 mile east of Newhebron, Miss.	-	1972	12-21-72	1,020
East Prong Silver Creek	Silver Creek	Lat 31°43'17", long 89°56'51", in NE¼ sec.30, T.9 N., R.19 W., St. Stephens meridian, Jefferson Davis County, on State Highway 42, at Hebron, Miss.	-	1971	12-21-72	828
Bogue Chitto	Pearl River	Lat 31°20', long 90°26', in SE¼ sec.6, T.4 N., R.8 E., Washington meridian, Pike County, at bridge on county road, 1.6 miles southeast of Johnstons Station, Miss.	-	1971-72	12-21-72	†12,800
Bogue Chitto	Pearl River	Lat 31°17'46", long 90°23'46", on line between secs. 21 and 22, T.4 N., R.8 E., Washington meridian, Pike County, at bridge on State Highway 570, 4.5 miles east of Summit, Miss.	-	1965, 1971-72	12-21-72	†14,700
East Hobolochitto Creek	Hobolochitto Creek	Lat 30°37'10", long 89°35'06", in SE¼SW¼ sec.10, T.5 S., R.16 W., St. Stephens meridian, Pearl River County, 4 miles east of Carriere, Miss.	-	1971	10-18-72	*3.82
West Hobolochitto Creek	Hobolochitto Creek	Lat 30°34'45", long 89°41'20", in SW¼ sec.27, T.5 S., R.17 W., St. Stephens meridian, Pearl River County, 0.2 mile upstream from George's Branch, 2.5 miles north of Picayune, Miss.	-	1953-55	10-18-72	*25.1
Mill Creek	West Hobolochitto Creek	Lat 30°33'52", long 89°39'56", in SW¼ sec.36, T.5 S., R.17 W., St. Stephens meridian, Pearl River County, on U.S. Highway 11, 1.3 miles north of Picayune, Miss.	-	1953-55, 1957, 1959, 1971	10-18-72	*.41
Yazoo River basin						
Tippah Creek b/	Tippah River	Lat 34°44'37", long 89°10'50", in SE¼ sec.10, T.4 S., R.1 E., Chickasaw meridian, Benton County, at bridge on State Highway 5, 6 miles south of Ashland, Miss.	-	1955-57, 1959, 1972	11- 7-72 3-15-73	5,930 13,800
Oak Chewalla Creek	Sardis Lake	Lat 34°36'57", long 89°30'52", in NE¼ sec.9, T.6 S., R.3 W., Chickasaw meridian, Marshall County, on State Highway 310, 3.5 miles east of Laws Hill, Miss.	-	-	4-23-73	1,870
Byhalia Creek	Pigeon Roost Creek	Lat 34°52'15", long 89°40'36", in NE¼ sec.36, T.2 S., R.5 W., Chickasaw meridian, Marshall County, at U.S. Highway 78, at Byhalia, Miss.	-	-	2-22-73	*1.50

Discharge measurements made at miscellaneous sites during water year 1973--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Yazoo River basin--Continued				
Byhalia Creek	Pigeon Roost	Lat 34°49'55", long 89°46'06", in SE¼ sec.7, T.3 S., R.5 W., Chickasaw meridian, De Soto County, at first crossing above mouth, at Ingrams Mill, Miss.	-	-	2-22-73	21.2
Pigeon Roost Creek	Coldwater River	Lat 34°49'49", long 89°49'20", in NW¼ sec.15, T.3 S., R.6 W., Chickasaw meridian, De Soto County, near left bank on downstream side of bridge on State Highway 305, 1.6 miles upstream from mouth, and 2.4 miles south of Lewisburg, Miss.	228	1939-54c	2-22-73	122
Hickahala Creek	Coldwater River	Lat 34°37'55", long 89°55'30", in center of S½ sec.22, T.5 S., R.7 W., Chickasaw meridian, Tate County, on county road, 1.5 miles north of State Highway 4, and 3.0 miles northeast of Senatobia, Miss.	-	-	10-16-72	18.8
Tillatoba Creek	South Fork Tillatoba Creek	Lat 34°01'35", long 89°51'54", in NE¼ sec.22, T.25 N., R.4 E., Choctaw meridian, Yalobusha County, at bridge on county highway, 1.0 mile northeast of Interstate Highway 55, 4 miles southeast of Oakland, Miss.	-	-	7-26-73	*.82
Tillatoba Creek	South Fork Tillatoba Creek	Lat 34°01'04", long 89°55'00", in SE¼ sec.19, T.25 N., R.4 E., Choctaw meridian, Yalobusha County, on county highway, 1.0 mile northwest of U.S. Highway 51, 3 miles northwest of Tillatoba, Miss.	-	-	7-26-73	*2.43
Tillatoba Creek	South Fork Tillatoba Creek	Lat 33°59'40", long 89°57'12", in center of N½ sec.35, T.25 N., R.3 E., Choctaw meridian, Tallahatchie County, on county road, 2 miles south of State Highway 32, and 5 miles southwest of Oakland, Miss.	-	-	7-25-73	*3.43
Davis Creek	South Fork Tillatoba Creek	Lat 33°56'00", long 89°52'48", in SE¼ sec.21, T.24 N., R.4 E., Choctaw meridian, Yalobusha County, at U.S. Highway 51, 1.5 miles southwest of Scobey, Miss.	-	-	7-25-73	*.07
Davis Creek	South Fork Tillatoba Creek	Lat 33°55'26", long 89°55'12", in NW¼ sec.30, T.24 N., R.3 E., Choctaw meridian, Yalobusha County, on county highway, 3 miles southwest of U.S. Highway 51 and 5 miles southwest of Tillatoba, Miss.	-	-	7-25-73	*2.59
South Fork Tillatoba Creek	Tillatoba Creek	Lat 33°55'55", long 89°56'40", in SE¼ sec.23, T.24 N., R.3 E., Choctaw meridian, Tallahatchie County, 4 miles west of Scobey, and 4 miles southwest of Tillatoba, Miss.	-	-	7-25-73	*2.36
Simmons Creek	South Fork Tillatoba Creek	Lat 33°58'30", long 89°51'54", in center of S½ sec.3, T.24 N., R.4 E., Choctaw meridian, Yalobusha County, 2 miles southeast of Tillatoba, Miss.	-	-	7-25-73	*0.32
Simmons Creek	South Fork Tillatoba Creek	Lat 33°58'05", long 89°54'09", in NW¼ sec.8, T.24 N., R.4 E., Choctaw meridian, Yalobusha County, at U.S. Highway 51, 1.0 mile south of Tillatoba, Miss.	-	-	7-25-73	*.92
South Fork Tillatoba Creek	Tillatoba Creek	Lat 33°57'35", long 89°57'36", in SW¼ sec.11, T.24 N., R.3 E., Choctaw meridian, Tallahatchie County, on county road, 4 miles southwest of Tillatoba, Miss.	-	-	7-25-73	*5.45
Blue Lake Outlet	Glover Lake	Lat 33°30'15", long 90°08'12", in SW¼ sec.18, T.19 N., R.2 E., Choctaw meridian, Leflore County, at Eagle Street, at Greenwood, Miss.	-	-	1-22-73	265
Big Sunflower River	Yazoo River	Lat 34°12'07", long 90°34'36", in E½ sec.23, T.27 N., R.4 W., Choctaw meridian, Coahoma County, 2 miles downstream from Little Sunflower River, at business U.S. Highway 61, at Clarksdale, Miss.	108	1940-42, 1954	4-23-73	1,520

Discharge measurements made at miscellaneous sites during water year 1973--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Big Black River basin				
Big Black River	Mississippi River	Lat 32°44'06", long 90°03'00", in SW¼ sec.1, T.10 N., R.2 E., Choctaw meridian, Madison and Yazoo counties, at bridge on Interstate Highway 55, 1,0 mile southwest of Way, Miss.	-	1965, 1972	3-19-73	†51,900
Big Black River	Mississippi River	Lat 32°42'26", long 90°05'39", in sec.16, T.10 N., R.2 E., Choctaw meridian, Madison County, on State Highway 16, 6.8 miles northwest of Canton, Miss.	1,820	1959-60, 1962, 1964, 1966, 1969-72	3-19-73	†53,200
		Homochitto River basin				
Homochitto River	Mississippi River	Lat 31°37'55", long 90°43'05", in SW¼ sec.28, T.8 N., R.5 E., Washington meridian, Lincoln County, 5 miles southwest of Caseyville, Miss.	-	-	10-20-72	*7.57
Fifteen Mile Creek	Homochitto River	Lat 31°32'45", long 90°46'12", in W½ sec.25, T.7 N., R.4 E., Washington meridian, Franklin County, 3 miles northeast of Eddiceton, Miss.	-	-	10-20-72	*3.32
Middle Fork Creek b/	Homochitto River	Lat 31°28'05", long 90°54'32", on line between secs. 27 and 28, T.6 N., R.3 E., Washington meridian, Franklin County, at U.S. Highway 84, 0.6 mile west of Meadville, Miss.	95	1943-45, 1953, 1955-56, 1959, 1964, 1968	4-16-73	†9,520
		Mississippi River delta				
West Fork Amite River	Amite River	Lat 31°14'29", long 90°50'27", in NE¼ sec.7, T.3 N., R.4 E., Washington meridian, Amite County, on State Highway 567, 6 miles north of Liberty, Miss.	-	1972	4-18-73	2,080
West Fork Amite River	Amite River	Lat 31°01'15", long 90°51'10", in NE¼ sec.36, T.1 N., R.3 E., Washington meridian, Amite County, 2 miles southeast of Street, Miss.	-	1968	10-18-72	*57.9

† Operated as a continuous-record gaging station.
a Approximately.
b Low-flow partial-record station.
c Operated as crest stage gage.
d Not previously published.

Measurements in Biloxi River Estuary Study Area, Mississippi

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements		
					Date	Time	Discharge (cfs)
		Biloxi River basin					
Biloxi River	Gulf of Mexico	Lat 30°25'28", long 88°58'41", in N½ sec.22, T.7 S., R.10 W., St. Stephens meridian, Harrison County, at Pops Ferry and Burnt Bridge on Pops Ferry Road, 5.4 miles northwest of Biloxi, Miss.	-	-	6-12-73	1015	8,730
					6-12-73	1340	16,700
					6-12-73	1600	11,800
					6-12-73	1730	7,210
					6-13-73	0150	-14,100
					6-13-73	0500	-12,100
					6-13-73	0815	-8,970
					6-13-73	0950	0
					6-13-73	1235	17,600
					6-13-73	1445	17,800
					6-13-73	1645	16,500
					6-13-73	1935	5,090
					6-14-73	0045	-11,500
					6-14-73	0325	-9,770
					6-14-73	0540	-11,000
					6-14-73	0745	-10,800

PART 2. WATER QUALITY RECORDS

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EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MISS.

LOCATION.--Lat 34°31'34", long 88°19'22", in NE¼SW¼ sec.26, T.6 S., R.9 E., Chickasaw meridian, Tishomingo County, at gaging station at old crossing 0.1 mile (0.2 km) downstream from bridge on State Highway 4, at Narrows dam site, 6 miles (9.7 km) southwest of Dennis, and 10 miles (16.1 km) upstream from confluence with Big Brown Creek.

DRAINAGE AREA.--66.8 mi^2 (173 km^2).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)
NOV.											
14...	3.8	1.3	2.1	1.7	--	3.8	2.4	.40	.00	.02	.11
14...	--	--	--	--	8	--	--	--	--	--	--
JAN.											
03...	2.0	1.0	1.8	1.2	--	4.4	1.6	.09	.00	.37	.16
03...	--	--	--	--	4	--	--	--	--	--	--

DATE	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
NOV.											
14...	15	21	.2	--	--	--	60	--	19	1.9	--
14...	--	--	--	<58	5.7	13.0	--	10.4	--	--	3.2
JAN.											
03...	9	28	.3	--	--	--	60	--	17	1.6	--
03...	--	--	--	34	5.1	8.0	--	12.4	--	--	7.6

02430500 TOMBIGBEE RIVER NEAR MARIETTA, MISS.

LOCATION.--Lat 34°25'34", long 88°25'17", in SE¼ sec.35, T.7 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on county road, 0.5 mile (0.8 km) downstream from confluence of Big Brown Creek Canal and Mackeys Creek, 3 miles (4.8 km) upstream from Donovan Creek Canal, and 6 miles (9.7 km) southeast of Marietta.

DRAINAGE AREA.--307 mi² (795 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	PHOSPHATE (PO4) (MG/L)	HARDNESS (CA,MG) (MG/L)
NOV.												
14...	5.3	1.4	2.0	2.4	--	7.4	3.2	.30	.00	.01	.42	19
14...	--	--	--	--	10	--	--	--	--	--	--	--
JAN.												
03...	4.8	1.0	2.4	2.5	--	7.0	2.8	.10	.00	1.3	3.0	16
03...	--	--	--	--	9	--	--	--	--	--	--	--

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)
NOV.											
14...	17	.2	--	--	--	100	--	29	3.0	--	--
14...	--	--	<50	5.6	13.0	--	9.4	--	--	48	--
JAN.											
03...	21	.2	--	--	--	150	--	30	3.5	--	34
03...	--	--	55	6.2	9.0	--	12.0	--	--	12	--

02431000 TOMBIGBEE RIVER NEAR FULTON, MISS.

LOCATION.--Lat 34°15'55", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, at gaging station at bridge on U.S. Highway 78, 1,000 ft (305 m) downstream from Twentymile-Fulton Canal, 2.2 miles (3.5 km) west of Fulton, 6.2 miles (10 km) upstream from Mantachie Creek Canal, 13.5 miles (21.7 km) downstream from Twentymile Creek Canal, and at mile 421.8 (678.7 km).

DRAINAGE AREA.--612 mi² (1,590 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)
NOV.												
14...	18	1.4	1.8	2.8	--	8.4	3.6	.70	.00	.02	.52	51
14...	--	--	--	--	69	--	--	--	--	--	--	--
JAN.												
03...	8.2	1.1	2.3	1.5	--	7.6	3.2	.09	.00	.42	.52	25
03...	--	--	--	--	19	--	--	--	--	--	--	--

DATE	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)
NOV.											
14...	7	.1	--	--	--	200	--	25	3.2	--	--
14...	--	--	<50	6.8	13.0	--	10.0	--	--	21	--
JAN.											
03...	16	.2	--	--	--	70	--	30	1.9	--	140
03...	--	--	65	6.4	9.0	--	12.6	--	--	15	--

02431500 TOMBIGBEE RIVER AT BEANS FERRY NEAR FULTON, MISS.

LOCATION.--Lat 34°12'20", long 88°23'50", in SW¼ sec.18, T.10 S., R.9 E., Chickasaw meridian, Itawamba County, at bridge on county road, 2 miles (3.2 km) downstream from Mantachie Creek, and 4.7 miles (7.6 km) south of Fulton.

DRAINAGE AREA.--706 mi² (1,830 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	PHOSPHATE (PO4) (MG/L)	HARDNESS (CA,MG) (MG/L)
NOV.												
15...	17	1.5	3.0	2.5	--	9.2	3.8	.40	.00	.12	.92	49
15...	--	--	--	--	43	--	--	--	--	--	--	--
JAN.												
04...	9.3	1.2	2.1	1.8	--	12	3.0	.05	.00	.41	.39	28
04...	--	--	--	--	21	--	--	--	--	--	--	--

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)
NOV.											
15...	11	.2	--	--	--	120	--	24	2.0	--	--
15...	--	--	100	7.5	11.0	--	9.9	--	--	2.6	--
JAN.											
04...	13	.2	--	--	--	80	--	20	1.3	--	44
04...	--	--	75	6.4	9.0	--	11.2	--	--	17	--

02433100 TOMBIGBEE RIVER AT BARRS FERRY NEAR SMITHVILLE, MISS.

LOCATION.--Lat 34°05'40", long 88°25'50", in SE¼NE¼ sec.26, T.11 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on county road, at Barrs Ferry, 2.8 miles (4.5 km) northwest of Smithville.

DRAINAGE AREA.--1,098 mi² (2,844 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)
NOV.												
15...	16	1.2	2.4	2.4	--	7.6	3.6	.50	.00	.13	1.1	45
15...	--	--	--	--	49	--	--	--	--	--	--	--
JAN.												
04...	5.7	1.0	2.2	1.6	--	6.4	2.6	.09	.00	.42	.44	18
04...	--	--	--	--	13	--	--	--	--	--	--	--

DATE	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)
NOV.											
15...	9	.1	--	--	--	200	--	22	1.9	--	--
15...	--	--	90	6.7	12.0	--	8.8	--	--	19	--
JAN.											
04...	20	.2	--	--	--	90	--	24	1.8	--	150
04...	--	--	55	6.4	9.0	--	11.8	--	--	10	--

02437000 TOMBIGBEE RIVER NEAR AMORY, MISS.

LOCATION.--Lat 33°59'10", long 88°33'05", in NW¼NW¼ sec.3, T.13 S., R.7 E., Chickasaw meridian, Marion County, at gaging station at bridge on U.S. Highway 278, 0.3 mile (0.5 km) downstream from Town Creek, 3.5 miles (5.6 km) west of Amory, and at mile 378.9 (609.6 km).

DRAINAGE AREA.--1,924 mi² (4,980 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)
NOV.												
15...	23	1.7	4.2	3.3	--	12	5.8	.30	.01	.15	1.0	65
15...	--	--	--	--	62	--	--	--	--	--	--	--
JAN.												
04...	19	1.2	2.1	2.6	--	7.2	1.8	.09	.00	.59	1.6	53
04...	--	--	--	--	49	--	--	--	--	--	--	--

DATE	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)
NOV.											
15...	12	.2	--	--	--	100	--	19	2.6	--	--
15...	--	--	130	6.9	11.0	--	9.4	--	--	15	--
JAN.											
04...	7	.1	--	--	--	150	--	20	2.6	--	140
04...	--	--	110	--	10.0	--	10.3	--	--	--	--

02437500 TOMBIGBEE RIVER AT ABERDEEN, MISS.

LOCATION.--Lat 33°49'14", long 88°31'07", in N½ sec.27, T.14 S., R.19 W., Huntsville meridian, Monroe County, at gaging station at bridge on U.S. Highway 45, 1.3 miles (2.1 km) downstream from St. Louis-San Francisco Railway bridge, 1.5 miles (2.4 km) east of Aberdeen, 2 miles (3.2 km) downstream from Matubby Creek, 6 miles (9.7 km) downstream from Halfway Creek, and 13 miles (20.9 km) upstream from McKinely Creek.

DRAINAGE AREA.--2,169 mi² (5,620 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	PHOSPHATE (PO4) (MG/L)	HARDNESS (CA,MG) (MG/L)
NOV.												
15...	16	1.3	3.6	3.0	--	9.6	5.0	.50	.00	.14	.85	46
15...	--	--	--	--	49	--	--	--	--	--	--	--
JAN.												
04...	17	1.0	1.8	2.1	--	7.0	3.2	.10	.00	.71	1.4	47
04...	--	--	--	--	49	--	--	--	--	--	--	--

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)
NOV.											
15...	14	.2	--	--	--	150	--	19	2.1	--	--
15...	--	--	100	6.5	11.0	--	9.0	--	--	30	--
JAN.											
04...	8	.1	--	--	--	200	--	20	2.1	--	200
04...	--	--	100	7.5	19.0	--	10.1	--	--	3.0	--

02441500 TOMBIGBEE RIVER AT COLUMBUS, MISS.

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville meridian, Lowndes County, at gaging station at Columbus, 1,200 ft (370 m) downstream from bridge on U.S. Highways 45E and 82, 1,800 ft (550 m) upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 miles (3.7 km) upstream from Luxapallila Creek, 6.7 miles (10.8 km) downstream from Tibbee Creek, and at mile 319.7 (514.4 km).

DRAINAGE AREA.--4,490 mi² (11,630 km²) approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	PHOSPHATE (PO4) (MG/L)	HARDNESS (CA,MG) (MG/L)
NOV.												
15...	26	1.8	5.8	3.2	--	13	8.0	.30	.02	.14	1.6	73
15...	--	--	--	--	69	--	--	--	--	--	--	--
JAN.												
04...	20	1.1	3.8	2.1	--	10	4.0	.10	.00	.81	1.4	55
04...	--	--	--	--	47	--	--	--	--	--	--	--

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)
NOV.											
15...	14	.3	--	--	--	150	--	20	--	--	--
15...	--	--	150	7.1	12.0	--	9.0	--	--	11	--
JAN.											
04...	10	.2	--	--	--	250	--	24	5.5	--	360
04...	--	--	120	7.5	9.0	--	11.7	--	--	2.9	--

02441500 TOMBIGBEE RIVER AT COLUMBUS, MISS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25 DEG. C), OCTOBER 1972 TO AUGUST 1973

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	120	120	190	170	130	110	130	125
2	---	---	---	---	120	115	200	155	140	130	145	125
3	---	---	---	---	115	110	170	145	140	120	185	130
4	---	---	---	---	110	110	165	130	120	115	175	165
5	---	---	---	---	110	110	145	100	115	110	175	170
6	125	125	---	---	120	110	100	90	110	110	160	160
7	125	120	---	---	130	120	95	85	110	110	160	160
8	120	120	175	160	140	130	85	75	145	110	160	135
9	125	120	220	150	160	135	85	70	165	145	135	120
10	125	125	165	140	200	135	70	70	145	130	130	120
11	125	125	145	140	180	140	70	70	130	120	130	125
12	125	125	145	140	130	120	70	70	120	115	135	125
13	130	120	140	125	120	120	70	70	110	110	125	110
14	130	130	125	125	120	115	70	70	135	110	110	110
15	195	130	185	125	115	105	85	70	130	115	110	100
16	155	150	160	145	105	105	100	85	115	105	110	97
17	150	150	145	135	105	100	105	100	105	95	97	70
18	160	150	145	140	100	90	170	105	95	85	70	25
19	150	130	180	140	90	85	145	120	85	80	25	20
20	190	130	200	175	85	85	145	130	120	70	30	20
21	190	150	190	150	105	80	160	145	80	70	35	30
22	150	150	150	140	105	105	170	150	85	80	40	35
23	---	---	140	135	110	105	160	125	100	85	50	40
24	---	---	135	130	115	110	125	125	110	100	60	50
25	---	---	170	130	120	115	115	115	110	110	85	60
26	---	---	190	160	120	120	120	110	115	110	80	80
27	---	---	160	130	120	120	120	110	120	115	80	80
28	---	---	130	130	125	120	120	115	125	120	80	80
29	---	---	160	130	140	125	115	115	---	---	80	80
30	---	---	135	120	150	140	110	110	---	---	80	80
31	---	---	---	---	190	150	110	110	---	---	115	80
MONTH	---	---	---	---	200	80	200	70	165	70	185	20

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	110	110	90	80	---	---	---	---	130	125	---	---
2	110	100	80	80	---	---	---	---	135	130	---	---
3	100	90	80	80	---	---	---	---	150	135	---	---
4	90	80	100	80	---	---	---	---	150	135	---	---
5	80	80	100	100	---	---	160	115	135	120	---	---
6	80	80	100	100	---	---	140	90	125	120	---	---
7	120	80	130	100	---	---	140	95	125	125	---	---
8	120	120	130	100	---	---	150	135	130	125	---	---
9	120	105	140	110	---	---	160	140	135	130	---	---
10	105	105	105	105	---	---	---	---	135	135	---	---
11	100	100	105	100	---	---	---	---	145	135	---	---
12	100	95	130	105	---	---	---	---	155	145	---	---
13	95	90	135	120	---	---	---	---	150	145	---	---
14	90	90	120	110	---	---	---	---	210	145	---	---
15	90	90	110	110	---	---	---	---	210	180	---	---
16	90	90	110	110	---	---	---	---	210	185	---	---
17	160	90	110	110	---	---	---	---	185	160	---	---
18	150	120	110	110	---	---	---	---	160	155	---	---
19	140	115	110	110	---	---	---	---	155	150	---	---
20	115	105	120	110	---	---	---	---	150	150	---	---
21	105	100	145	120	---	---	---	---	150	130	---	---
22	100	100	145	110	---	---	---	---	---	---	---	---
23	105	100	110	95	---	---	---	---	---	---	---	---
24	130	105	120	95	---	---	---	---	---	---	---	---
25	130	120	120	110	---	---	---	---	---	---	---	---
26	120	110	120	120	---	---	---	---	---	---	---	---
27	110	95	140	110	---	---	120	120	---	---	---	---
28	90	90	150	140	---	---	125	120	---	---	---	---
29	90	90	140	120	---	---	130	125	---	---	---	---
30	90	90	120	115	---	---	130	130	---	---	---	---
31	---	---	---	---	---	---	130	125	---	---	---	---
MONTH	160	80	150	80	---	---	---	---	---	---	---	---
YEAR	220	20										

02448000 NOXUBEE RIVER AT MACON, MISS.

LOCATION.--Lat 33°06'05", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., …octaw meridian, Noxubee County, at gaging station at bridge on U.S. Highway 45 at Macon, 0.2 mile (0.3 km) upstream from Cedar Creek, 1.0 mile (1.6 km) downstream from Gulf, Mobile,and Ohio Railroad bridge, 1.5 miles (2.4 km) downstream from Horse Hunters Creek, and 6.2 miles (10.0 km) upstream from Running Water Creek.

DRAINAGE AREA.--812 mi² (2,100 km²)

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
OCT.											
05...	114	17	2.0	--	--	19	14	4.0	.04	.00	.90
05...	--	--	--	--	--	--	--	--	.00	--	--
JAN.											
17...	--	28	16	4.2	1.2	22	118	2.5	.00	.00	.31
MAY											
01...	4920	10	16	2.9	1.3	10	2.0	4.2	.00	.00	.19
01...	4920	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
05...	1.5	.30	68	22	90	53	19	--	--	51	6.7
05...	--	--	--	--	--	--	--	--	--	65	7.3
JAN.											
17...	.22	.22	44	66	110	8	44	6	.2	58	6.5
MAY											
01...	.56	.55	15	37	104	52	26	6	.1	41	6.3
01...	--	--	--	--	--	--	--	--	--	78	6.8

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
OCT.										
05...	--	35	34	7.7	8	6.4	--	950	--	--
05...	21.0	--	--	8.3	--	--	--	--	--	--
JAN.										
17...	8.0	25	38	10.4	9	.3	5.5	1650	14	8.5
MAY										
01...	15.0	45	17	--	--	7.1	4.0	16700	16	12
01...	17.0	--	--	7.1	--	--	--	--	--	--

02473?60 LEAF RIVER NEAR PALMER, MISS.

LOCATION.--Lat 31°15'40", long 89°13'35", in SW¼SW¼ sec.32, T.4 N., R.24 E., St. Stephens meridian, Forrest County, on county road, 3 miles (4.8 km) east of Palmer.

DRAINAGE AREA.--1,820 mi² (4,710 km²).

PERIOD OF RECORD.--Chemical analyses: November 1970 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
OCT.											
19...	--	--	--	--	--	--	--	--	.00	--	--
NOV.											
08...	525	6.0	6.0	--	--	13	98	10	.03	.06	.48
08...	--	--	--	--	--	--	--	--	.00	--	--
30...	--	--	--	--	--	--	--	--	.00	--	--
FEB.											
21...	2900	13	9.0	5.1	1.1	8	4.0	7.0	.01	.00	.37
21...	2900	--	--	--	--	--	--	--	--	--	--
MAR.											
07...	7000	--	--	--	--	--	--	--	--	--	--
APR.											
27...	--	9.0	11	2.1	1.0	5	11	4.0	.00	.00	.21
27...	--	--	--	--	--	--	--	--	--	--	--
MAY											
01...	10200	--	--	--	--	--	--	--	--	--	--
JULY											
18...	1150	12	14	2.0	.0	14	3.3	4.5	.05	.00	.31
18...	1150	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
19...	--	--	--	--	--	--	--	--	-	70	6.3
NOV.											
08...	1.2	.69	89	34	123	117	12	--	--	56	6.5
08...	--	--	--	--	--	--	--	--	--	70	6.0
30...	--	--	--	--	--	--	--	--	--	80	6.8
FEB.											
21...	.59	.29	188	20	208	144	22	14	.3	34	6.5
21...	--	--	--	--	--	--	--	--	--	57	6.1
MAR.											
07...	--	--	--	--	--	--	--	--	--	39	5.9
APR.											
27...	.62	.23	9	67	168	112	20	6	.1	26	6.0
27...	--	--	--	--	--	--	--	--	--	30	6.0
MAY											
01...	--	--	--	--	--	--	--	--	--	42	5.4
JULY											
18...	1.0	7.0	67	17	84	28	26	5	.1	55	6.4
18...	--	--	--	--	--	--	--	--	--	59	6.4

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
OCT.										
19...	23.0	--	--	4.0	--	--	--	--	--	--
NOV.										
08...	--	25	36	5.3	12	5.0	6.0	4850	12	6.0
08...	17.0	--	--	5.9	--	--	--	--	--	--
30...	10.0	--	--	7.5	--	--	--	--	--	--
FEB.										
21...	--	35	20	7.7	13	3.6	3.5	7100	11	7.5
21...	10.5	--	--	11.5	--	--	--	--	--	--
MAR.										
07...	17.0	--	--	8.7	--	--	--	--	--	--
APR.										
27...	17.0	50	52	--	22	3.1	2.5	4550	22	20
27...	20.0	--	--	9.2	--	--	--	--	--	--
MAY										
01...	18.7	--	--	6.5	--	--	--	--	--	--
JULY										
18...	15.0	30	23	4.9	14	2.8	4.0	28900	16	12
18...	30.8	--	--	5.4	--	--	--	--	--	--

02473260 LEAF RIVER NEAR PALMER, MISS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25 DEG. C), OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	80	75	60	50	80	80	---	---
2	---	---	---	---	90	80	60	60	80	75	---	---
3	---	---	---	---	90	80	60	55	90	70	---	---
4	---	---	80	75	90	80	55	55	70	60	---	---
5	---	---	80	70	90	70	---	---	60	55	---	---
6	---	---	80	70	75	50	---	---	60	55	---	---
7	---	---	80	70	65	40	---	---	60	60	---	40
8	---	---	80	70	65	55	---	---	60	60	40	35
9	---	---	85	70	60	60	---	---	65	60	40	40
10	---	---	90	70	70	60	---	---	65	60	40	40
11	---	---	80	70	80	70	60	60	60	60	45	40
12	---	---	80	70	90	80	60	60	60	60	50	45
13	---	---	85	55	85	80	60	60	60	60	50	45
14	---	---	70	55	85	80	70	60	70	60	45	45
15	---	---	70	60	80	80	70	70	65	45	50	45
16	---	---	90	60	100	80	70	70	50	45	50	45
17	---	---	95	75	100	75	70	70	45	45	45	45
18	---	---	95	80	80	75	80	70	45	45	50	45
19	---	---	85	75	80	75	75	75	50	45	45	35
20	---	---	75	65	80	75	75	75	55	50	45	40
21	---	---	70	75	75	40	80	75	55	55	50	40
22	---	---	120	65	40	40	70	65	---	---	50	50
23	---	---	105	85	40	40	70	60	---	---	55	50
24	---	---	90	75	45	40	70	65	---	---	55	45
25	---	---	85	65	45	45	70	65	---	---	45	45
26	---	---	70	60	50	45	70	70	---	---	45	45
27	---	---	130	60	60	50	80	70	---	---	45	45
28	---	---	90	75	60	60	75	75	---	---	50	45
29	---	---	95	80	65	60	75	70	---	---	55	50
30	---	---	90	75	70	65	85	70	---	---	60	55
31	---	---	---	---	70	50	80	80	---	---	65	60
MONTH	---	---	130	55	100	40	85	50	---	---	---	35

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	70	65	60	60	120	115	90	70	---	---	---	---
2	100	60	65	60	115	105	90	80	---	---	---	---
3	100	60	70	65	130	115	80	80	---	---	---	---
4	60	55	80	70	130	120	85	80	---	---	---	---
5	60	55	80	70	120	120	---	---	---	---	80	65
6	65	60	70	70	60	60	80	65	---	---	70	60
7	70	50	70	70	60	55	70	65	---	---	65	65
8	50	30	70	55	60	55	65	55	---	---	65	65
9	30	30	55	50	60	60	60	50	---	---	75	65
10	30	30	50	50	60	50	60	55	---	---	80	70
11	40	30	50	50	50	50	65	60	---	---	85	80
12	50	40	50	50	60	50	75	65	---	---	85	75
13	55	45	60	50	60	60	70	70	---	---	60	50
14	50	45	60	60	60	55	80	70	---	---	60	60
15	45	45	70	60	60	60	70	70	---	---	60	50
16	45	45	75	65	65	60	70	70	---	---	60	45
17	50	45	80	70	70	60	75	65	---	---	50	45
18	55	50	110	80	70	65	80	65	---	---	50	50
19	50	40	140	110	70	70	75	70	---	---	55	50
20	45	40	150	140	70	70	85	70	---	---	50	50
21	45	45	175	150	---	---	80	70	---	---	65	50
22	50	45	180	170	---	---	75	65	---	---	55	55
23	50	50	180	170	60	60	70	65	---	---	65	55
24	60	50	175	115	65	60	75	70	---	---	55	60
25	60	55	115	60	60	60	85	75	---	---	60	55
26	60	40	70	60	60	55	80	75	---	---	55	50
27	40	40	65	60	65	60	80	70	---	---	55	50
28	40	40	60	60	65	60	75	70	---	---	55	45
29	45	40	100	60	70	65	70	65	---	---	45	40
30	50	45	115	80	70	70	70	65	---	---	40	40
31	---	---	120	115	---	---	70	60	---	---	---	---
MONTH	100	30	180	50	130	50	90	50	---	---	85	40
YEAR	180	30										

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MISS.

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens meridian, Perry County, at gaging station at bridge between Sunrise and Runnelstown, 3 miles (4.8 km) south of Runnelstown, and 9 miles (14.5 km) upstream from mouth.

DRAINAGE AREA.--612 mi² (1,585 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
OCT.											
19...	--	--	--	--	--	--	--	--	.00	--	--
NOV.											
30...	--	--	--	--	--	--	--	--	.00	--	--
FEB.											
22...	1110	25	3.0	7.7	1.4	17	4.0	8.2	.00	.00	.21
22...	1110	--	--	--	--	--	--	--	--	--	--
MAR.											
07...	2030	--	--	--	--	--	--	--	--	--	--
APR.											
27...	4990	7.0	13	2.4	1.0	8	10	4.5	.00	.00	.25
27...	4990	--	--	--	--	--	--	--	--	--	--
MAY											
01...	8040	--	--	--	--	--	--	--	--	--	--
JULY											
18...	377	21	14	8.5	1.5	21	5.0	14	.15	.01	.30
18...	377	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
19...	--	--	--	--	--	--	--	--	--	300	7.0
NOV.											
30...	--	--	--	--	--	--	--	--	--	175	6.7
FEB.											
22...	.67	.32	26	30	100	44	28	18	.4	50	6.2
22...	--	--	--	--	--	--	--	--	--	85	6.1
MAR.											
07...	--	--	--	--	--	--	--	--	--	72	6.0
APR.											
27...	.67	.31	21	63	152	68	20	7	.1	27	6.0
27...	--	--	--	--	--	--	--	--	--	32	6.0
MAY											
01...	--	--	--	--	--	--	--	--	--	44	5.6
JULY											
18...	.98	.80	109	6	116	56	35	14	.4	110	6.5
18...	--	--	--	--	--	--	--	--	--	110	6.5

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
OCT.										
19...	21.0	--	--	6.0	--	--	--	--	--	--
NOV.										
30...	9.5	--	--	7.8	--	--	--	--	--	--
FEB.										
22...	--	30	41	7.2	25	5.8	5.0	3200	22	17
22...	8.0	--	--	10.4	--	--	--	--	--	--
MAR.										
07...	17.5	--	--	8.1	--	--	--	--	--	--
APR.										
27...	17.0	45	35	--	23	4.3	25	5650	25	22
27...	20.0	--	--	8.9	--	--	--	--	--	--
MAY										
01...	17.8	--	--	7.3	--	--	--	--	--	--
JULY										
18...	15.0	40	12	6.4	20	2.4	5.0	2100	20	15
18...	29.3	--	--	6.1	--	--	--	--	--	--

02474580 BOGUE HOMO NEAR LAUREL, MISS.

LOCATION.--Lat 34°42'20", long 89°01'40", in SW¼ sec.32, T.9 N., R.10 W., St. Stephens meridian, Jones County, at bridge on U.S. Highway 84, 0.7 mile (1.1 km) east of Cleo and 5.2 miles (8.4 km) east of Laurel.

DRAINAGE AREA.--121 mi² (313 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
OCT.											
18...	--	--	--	--	--	--	--	.00	--	--	--
NOV.											
30...	--	--	--	--	--	--	--	.00	--	--	--
FEB.											
22...	48	14	44	1.1	14	7.0	79	.00	.00	.33	.34
22...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
05...	--	--	--	--	--	--	--	--	--	--	--
APR.											
26...	--	--	--	--	--	--	--	--	--	--	--
MAY											
02...	20	14	13	.8	7	1.2	24	.00	.00	.10	.45
02...	--	--	--	--	--	--	--	--	--	--	--

DATE	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
OCT.										
18...	--	--	--	--	--	--	--	--	350	6.9
NOV.										
30...	--	--	--	--	--	--	--	--	400	6.1
FEB.										
22...	.10	133	23	236	80	62	35	1.4	190	6.1
22...	--	--	--	--	--	--	--	--	350	6.5
MAR.										
05...	--	--	--	--	--	--	--	--	225	6.0
APR.										
26...	--	--	--	--	--	--	--	--	37	5.5
MAY										
02...	.22	18	10	116	88	34	21	.5	102	6.5
02...	--	--	--	--	--	--	--	--	120	7.0

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
OCT.										
18...	25.0	--	--	7.3	--	--	--	--	--	--
NOV.										
30...	10.0	--	--	8.3	--	--	--	--	--	--
FEB.										
22...	--	35	30	9.6	11	2.0	3.5	600	12	8.5
22...	11.5	--	--	10.4	--	--	--	--	--	--
MAR.										
05...	18.0	--	--	6.2	--	--	--	--	--	--
APR.										
26...	19.5	--	--	9.1	--	--	--	--	--	--
MAY										
02...	14.0	45	14	8.7	14	2.2	2.5	950	16	14
02...	20.0	--	--	8.4	--	--	--	--	--	--

02476600 OKATIBBEE CREEK AT ARUNDEL, MISS.

LOCATION.--Lat 32°17'55", long 88°45'15", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw meridian, Lauderdale County, at gaging station, 100 ft (30 m) downstream from Hognose Creek, 400 ft (120 m) upstream from bridge on county road, 0.6 mile (1.0 km) southeast of Arundel, and at mile 16.3 (26.2 km).

DRAINAGE AREA.--342 mi² (886 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
OCT.											
05...	31	27	18	--	--	67	29	22	.04	.00	2.7
05...	--	--	--	--	--	--	--	--	.00	--	--
17...	--	--	--	--	--	--	--	--	.00	--	--
NOV.											
28...	--	--	--	--	--	--	--	--	.00	--	--
JAN.											
17...	--	9.0	12	3.9	1.6	8	113	3.0	.14	.00	.41
MAR.											
05...	374	--	--	--	--	--	--	--	--	--	--
MAY											
01...	1620	22	15	3.1	1.1	16	2.8	4.2	.00	.00	.13
01...	1620	--	--	--	--	--	--	--	--	--	--
09...	2060	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
05...	6.1	4.5	161	32	193	100	65	--	--	200	6.6
05...	--	--	--	--	--	--	--	--	--	300	6.3
17...	--	--	--	--	--	--	--	--	--	200	7.2
NOV.											
28...	--	--	--	--	--	--	--	--	--	150	6.7
JAN.											
17...	.78	.24	51	52	120	17	28	11	.2	32	6.4
MAR.											
05...	--	--	--	--	--	--	--	--	--	90	7.4
MAY											
01...	.62	.29	12	40	120	68	37	5	.1	63	6.2
01...	--	--	--	--	--	--	--	--	--	68	6.8
09...	--	--	--	--	--	--	--	--	--	67	5.5

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
OCT.										
05...	--	40	37	.2	68	--	--	1700	--	--
05...	26.0	--	--	.3	--	--	--	--	--	--
17...	23.5	--	--	3.0	--	--	--	--	--	--
NOV.										
28...	11.5	--	--	7.3	--	--	--	--	--	--
JAN.										
17...	9.0	30	37	11.0	20	1.2	2.0	1750	11	9.0
MAR.										
05...	16.0	--	--	6.8	--	--	--	--	--	--
MAY										
01...	15.0	35	23	--	--	1.3	5.0	2100	21	15
01...	19.0	--	--	7.6	--	--	--	--	--	--
09...	21.0	--	--	7.7	--	--	--	--	--	--

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MISS.

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw meridian, Clarke County, at gaging station at bridge on State Highway 513 in Enterprise, 0.5 mile (0.8 km) downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2 (254.5 km).

DRAINAGE AREA.--913 mi² (2,360 km²).

SPECIFIC CONDUCTANCE (MICROMHOS AT 25 DEG. C) OCTOBER 1972 TO JULY 1973

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	115	105	108	90	46	43	43	41	47	44
2	---	---	185	115	95	90	53	46	42	42	48	44
3	---	---	145	110	90	85	65	53	42	35	46	46
4	---	---	115	95	90	85	60	57	36	34	47	46
5	---	---	95	83	100	90	60	55	34	34	48	48
6	---	---	85	80	105	85	63	55	34	34	52	48
7	---	---	83	83	95	68	63	55	34	34	53	48
8	---	---	---	---	73	68	55	44	36	34	50	48
9	---	---	---	---	75	73	44	39	36	36	52	50
10	---	---	---	---	85	75	42	39	38	36	56	52
11	---	---	---	---	85	80	43	40	37	36	56	42
12	---	---	90	85	80	80	42	40	36	30	46	44
13	---	---	90	85	80	80	40	40	36	36	49	46
14	---	---	105	90	80	80	40	39	36	31	53	49
15	---	---	105	100	80	60	39	39	32	30	57	53
16	---	---	130	75	60	50	40	39	30	30	57	40
17	---	---	105	75	60	54	40	40	33	30	42	40
18	200	175	78	73	60	60	42	40	35	33	43	42
19	180	175	78	---	63	60	48	42	37	35	46	43
20	180	180	---	---	63	60	48	48	36	36	46	46
21	180	180	---	---	60	53	48	42	37	36	46	46
22	180	145	---	---	53	50	44	41	39	37	46	46
23	155	105	---	---	53	50	45	41	40	38	46	46
24	155	95	---	---	55	53	47	45	39	38	48	40
25	97	90	---	---	55	55	47	45	37	37	40	36
26	105	97	---	---	55	55	45	44	40	36	36	36
27	150	90	---	---	55	55	48	45	44	40	40	36
28	155	90	80	80	60	55	50	48	46	44	44	40
29	90	90	90	80	66	60	50	50	---	---	44	44
30	97	90	103	90	68	60	50	44	---	---	---	---
31	105	97	---	---	60	43	44	43	---	---	---	---
MONTH	---	---	---	---	108	43	65	39	46	30	57	36

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	44	44	---	---	69	65	---	---	---	---
2	---	---	47	44	---	---	71	67	---	---	---	---
3	---	---	48	47	---	---	70	55	---	---	---	---
4	---	---	48	43	---	---	60	50	---	---	---	---
5	---	---	43	40	---	---	60	40	---	---	---	---
6	---	---	40	38	---	---	75	55	---	---	---	---
7	---	---	38	38	---	---	90	75	---	---	---	---
8	---	---	38	35	---	---	100	90	---	---	---	---
9	---	---	38	36	---	---	110	100	---	---	---	---
10	---	---	40	36	---	---	120	100	---	---	---	---
11	---	---	36	36	---	---	140	120	---	---	---	---
12	---	---	40	36	---	---	150	140	---	---	---	---
13	---	---	---	---	40	40	160	150	---	---	---	---
14	---	---	---	---	40	40	170	90	---	---	---	---
15	---	---	---	---	40	37	90	62	---	---	---	---
16	---	---	---	---	42	37	62	57	---	---	---	---
17	---	---	---	---	42	40	60	57	---	---	---	---
18	---	---	---	---	43	40	65	60	---	---	---	---
19	---	---	---	---	52	43	67	55	---	---	---	---
20	---	---	---	---	67	52	90	65	---	---	---	---
21	---	---	---	---	70	67	100	90	---	---	---	---
22	---	---	---	---	69	65	---	---	---	---	---	---
23	---	---	---	---	65	44	---	---	---	---	---	---
24	---	---	---	---	43	40	---	---	---	---	---	---
25	---	---	---	---	48	40	---	---	---	---	---	---
26	---	---	---	---	48	43	---	---	---	---	---	---
27	---	---	---	---	44	41	---	---	---	---	---	---
28	---	---	---	---	45	41	---	---	---	---	---	---
29	---	---	---	---	48	45	---	---	---	---	---	---
30	---	---	---	---	65	48	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
YEAR	200	30										

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MISS.

LOCATION.--Lat 31°08', long 88°33', in SW¼ sec.12, T.2 N., R.6 W., St. Stephens meridian, Greene County, at gaging station at bridge on State Highway 63, 0.5 mile (0.8 km) southeast of Leakesville, 2 miles (8.2 km) upstream from Foulk ditch, and 29.1 miles (46.8 km) upstream from confluence with Leaf River.

DRAINAGE AREA.--2,680 mi² (6,940 km²) approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
OCT.											
19...	--	--	--	--	--	--	--	--	.00	--	--
NOV.											
28...	--	--	--	--	--	--	--	--	.00	--	--
FEB.											
21...	9080	20	7.0	5.9	1.0	11	5.0	8.8	.00	.00	.04
21...	9080	--	--	--	--	--	--	--	--	--	--
MAR.											
06...	4390	--	--	--	--	--	--	--	--	--	--
MAY											
02...	22200	16	17	2.6	.6	10	3.8	7.0	.00	.00	.12
02...	22200	--	--	--	--	--	--	--	--	--	--
08...	9530	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
19...	--	--	--	--	--	--	--	--	--	190	6.6
NOV.											
28...	--	--	--	--	--	--	--	--	--	200	6.9
FEB.											
21...	.50	.10	219	57	276	176	27	14	.3	68	5.8
21...	--	--	--	--	--	--	--	--	--	72	6.1
MAR.											
06...	--	--	--	--	--	--	--	--	--	110	7.5
MAY											
02...	.62	.14	7	57	132	68	31	5	.1	56	6.0
02...	--	--	--	--	--	--	--	--	--	60	6.5
08...	--	--	--	--	--	--	--	--	--	72	5.8

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
OCT.										
19...	22.5	--	--	7.0	--	--	--	--	--	--
NOV.										
28...	12.0	--	--	9.6	--	--	--	--	--	--
FEB.										
21...	--	35	25	8.0	16	2.3	4.0	6200	12	8.0
21...	9.5	--	--	11.7	--	--	--	--	--	--
MAR.										
06...	16.0	--	--	7.8	--	--	--	--	--	--
MAY										
02...	19.0	50	21	6.5	18	1.5	4.5	14600	18	14
02...	18.0	--	--	8.4	--	--	--	--	--	--
08...	20.7	--	--	8.5	--	--	--	--	--	--

02479000 PASCAGOULA RIVER AT MERRILL, MISS.
(International Hydrological Decade River Station)

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens meridian, George County, at gaging station at bridge on highway between Merrill and Avent, 0.5 mile (0.8 km) downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mile (0.8 km) west of Merrill, and at mile 80.8 (130 km).

DRAINAGE AREA.--6,600 mi^2 (17,100 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: April 1970 to September 1972.
Water temperature: April 1970 to June 1972.

EXTREMES.--1972-73:
Specific conductance: Maximum, 210 micromhos Oct. 30; minimum, 50 micromhos Dec. 9-10, March 22-26, March 31 to Apr. 9, May 10-12, Sept. 14-15.

Period of record:
Specific conductance (1971-73): Maximum 260 micromhos Dec. 23-24, 1971; minimum, 45 micromhos May 8-10, 1972

SPECIFIC CONDUCTANCE (MICROMHOS AT 25 DEG. C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	130	120	160	130	150	140	---	---	120	115	---	---
2	130	125	170	160	140	140	---	---	115	90	---	---
3	130	125	180	160	140	130	---	---	105	90	---	---
4	135	130	170	140	150	130	---	---	110	105	---	---
5	150	140	140	130	140	135	---	---	110	90	---	---
6	160	150	145	135	140	130	---	---	90	90	90	90
7	190	160	150	145	80	80	---	---	90	75	90	80
8	190	170	160	140	55	55	---	---	85	75	80	60
9	170	155	160	140	70	50	---	---	85	85	60	55
10	150	150	160	140	100	50	---	---	85	80	60	55
11	150	145	155	145	100	70	---	---	80	80	65	60
12	150	150	165	150	115	70	---	---	80	80	70	65
13	150	140	160	150	110	100	---	---	80	80	70	70
14	145	140	150	80	110	100	---	---	80	65	70	70
15	140	135	100	90	110	105	---	---	65	65	70	70
16	140	135	100	100	115	105	---	---	75	65	70	70
17	135	135	115	115	115	110	---	---	65	60	70	70
18	140	135	115	115	115	110	---	---	60	60	70	70
19	140	130	120	120	110	105	---	---	60	60	80	70
20	130	130	105	105	---	100	---	---	60	60	80	80
21	130	125	110	110	---	105	---	---	---	---	80	60
22	130	125	120	120	---	---	---	---	---	---	60	50
23	130	130	115	115	---	---	---	---	---	---	50	50
24	130	120	115	115	---	---	---	---	---	---	50	50
25	130	110	130	130	---	---	---	---	---	---	50	50
26	120	110	115	115	---	---	---	---	---	---	60	50
27	120	110	120	120	---	---	---	---	---	---	70	60
28	145	120	120	115	---	---	---	---	---	---	60	60
29	150	140	155	110	---	---	---	---	---	---	65	60
30	210	140	150	130	---	---	---	---	---	---	60	55
31	150	130	---	---	---	---	115	115	---	---	55	50
MONTH	210	110	180	80	---	---	---	---	---	---	90	50

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	55	50	---	---	90	85	100	95	---	---	125	110
2	55	50	---	---	90	90	100	100	75	70	110	105
3	50	50	---	---	90	90	110	100	105	75	110	105
4	55	50	---	---	90	90	120	110	135	105	120	110
5	55	50	---	---	100	90	---	---	125	110	120	110
6	50	50	---	---	90	80	110	95	135	115	115	85
7	50	50	---	---	80	75	100	90	120	110	85	60
8	50	50	---	---	75	75	90	85	110	110	70	65
9	50	50	---	---	80	75	90	85	110	110	85	70
10	---	---	50	50	85	80	---	---	115	110	95	85
11	---	---	55	50	85	70	---	---	120	95	110	95
12	---	---	60	50	75	70	95	90	110	95	100	100
13	---	---	60	55	80	75	90	90	125	115	100	55
14	---	---	65	60	80	80	90	90	115	90	60	50
15	---	---	70	65	85	80	95	90	100	90	70	50
16	---	---	75	70	85	75	95	90	100	100	80	70
17	---	---	85	75	90	75	130	95	100	90	95	80
18	---	---	95	85	90	90	125	120	100	95	110	95
19	---	---	100	95	100	90	---	---	100	90	120	110
20	---	---	100	100	100	100	---	---	80	65	120	115
21	---	---	100	100	100	100	---	---	80	65	120	115
22	---	---	100	95	100	95	120	105	75	70	120	115
23	---	---	100	95	95	90	130	115	80	70	115	115
24	---	---	100	90	95	90	---	---	85	80	115	110
25	---	---	90	65	90	90	---	---	100	85	115	110
26	---	---	65	60	110	90	---	---	115	100	120	110
27	---	---	55	55	110	90	---	---	115	110	110	110
28	---	---	60	60	90	90	---	---	115	110	110	100
29	---	---	65	65	95	90	---	---	120	110	100	100
30	---	---	70	70	95	95	---	---	120	110	100	90
31	---	---	75	75	---	---	---	---	125	110	---	---
MONTH	---	---	---	---	110	70	---	---	135	65	125	50
YEAR	210	50										

02479020 PASCAGOULA RIVER NEAR BENNDALE, MISS.

LOCATION.--Lat 30°52'45", long 88°46'22", on line between secs. 15 and 22, T.2 S., R.8 W., St. Stephens meridian, George County, at bridge on State Highway 26, 0.4 mile (0.6 km) upstream from Bates Creek, 2.1 mile (3.4 km) east of Benndale, and 11.7 miles (18.8 km) southwest of Lucedale.

DRAINAGE AREA.--6,690 mi² (17,300 km²), approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
NOV.												
15...	--	1.7	1.0	--	--	16	28	18	.05	.01	.37	.50
FEB.												
07...	--	--	--	--	--	--	--	--	--	--	--	--
21...	21100	21	.6	4.6	.9	8	3.2	6.5	.00	.00	.20	.50
21...	21100	--	--	--	--	--	--	--	--	--	--	--
MAR.												
15...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
02...	57000	13	14	3.8	1.2	8	.0	7.0	.00	.00	.15	.94
20...	57000	--	--	--	--	--	--	--	--	--	--	--
JUNE												
05...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
11...	--	--	--	--	--	--	--	--	--	--	--	--
19...	5720	25	3.0	5.0	1.0	8	4.5	12	.05	.00	.27	.67
19...	5720	--	--	--	--	--	--	--	--	--	--	--
AUG.												
07...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	4240	--	--	--	--	--	--	--	--	--	--	--

DATE	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
NOV.												
15...	.15	90	30	170	37	19	--	--	192	7.5	--	--
FEB.												
07...	--	--	--	--	--	--	--	--	--	--	--	--
21...	.08	257	43	300	229	21	16	.3	33	5.8	--	35
21...	--	--	--	--	--	--	--	--	55	5.8	10.0	--
MAR.												
15...	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
02...	.09	66	10	76	32	27	8	.2	44	5.8	20.0	50
20...	--	--	--	--	--	--	--	--	60	6.6	20.0	--
JUNE												
05...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
11...	--	--	--	--	--	--	--	--	--	--	--	--
19...	.30	91	37	128	48	28	13	.3	78	6.5	15.0	45
19...	--	--	--	--	--	--	--	--	84	6.3	28.5	--
AUG.												
07...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	90	--	27.0	--

02479020 PASCAGOULA RIVER NEAR BENNDALE, MISS.--Continued

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL PHYTOPLANKTON (CELLS PER ML)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)
NOV.											
15...	21	7.9	--	2.5	--	--	11600	--	--	--	--
FEB.											
07...	--	--	--	--	--	500	--	--	--	9.5	--
21...	22	6.5	17	1.3	3.5	--	1900.	--	--	14	10
21...	--	10.5	--	--	--	--	--	--	--	--	--
MAR.											
15...	--	--	--	--	--	140	--	--	--	12	--
20...	--	--	--	1.8	--	--	1900	100	120	--	--
MAY											
02...	19	6.8	20	2.7	4.5	--	2800	--	--	20	16
20...	--	5.9	--	--	--	--	--	--	--	--	--
JUNE											
05...	--	--	--	--	--	1300	--	--	--	--	--
JULY											
11...	--	--	--	--	--	4300	--	--	--	--	--
19...	20	6.3	14	1.1	4.0	--	1900	--	--	16	12
19...	--	6.6	--	--	--	--	--	--	--	--	--
AUG.											
07...	--	--	--	--	--	1200	--	--	--	--	--
SEP.											
04...	--	--	--	--	--	11000	--	--	--	--	--
04...	--	6.9	--	--	--	--	--	--	--	--	--

DATE	PERIPHYTON TYPE 1 (CODOMINANT)	PERIPHYTON TYPE 1 BIOMASS DRY WEIGHT (G/M^2)	PERIPHYTON TYPE 1 BIOMASS ASH WEIGHT (G/M^2)	BENTHIC INVERTEBRATES TYPE 1 (TOTAL COUNT)	BENTHIC INVERTEBRATES TYPE 1 (EPHEMEROPTERA)	BENTHIC INVERTEBRATES TYPE 1 (PLECOPTERA)	BENTHIC INVERTEBRATES TYPE 1 BIOMASS (G/M^2)
JULY							
11...	NAVICULA	4.3	1.4	28	27	1	1.9

02479155 CYPRESS CREEK NEAR JANICE, MISS.

(Hydrologic bench-mark and pesticide station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NW¼ sec.29, T.1 N., R.10 W., St. Stephens meridian, Perry County, at gaging station at bridge on State Highway 29, 1.2 mile (1.9 km) east of Janice, and 5.5 miles (8.8 km) upstream from mouth.

DRAINAGE AREA.--52.2 mi² (135 km²).

PERIOD OF RECORD.--Chemical analyses: December 1966 to September 1973.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
NOV.											
08...	--	--	--	--	--	--	--	--	--	--	--
08...	22	13	90	1.1	.1	3.5	.8	8	0	7	1.2
APR.											
30...	--	51	190	.5	.2	2.1	.1	2	0	2	.0
30...	50	--	--	--	--	--	--	--	--	--	--
AUG.											
07...	35	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRATE (NO3) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
NOV.										
08...	--	--	--	.00	--	--	--	--	--	--
08...	2.9	.2	.07	.07	--	.02	51	55	27	.07
APR.										
30...	3.2	.1	.06	--	.30	--	61	--	58	.08
30...	--	--	--	--	--	--	--	--	--	--
AUG.										
07...	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
NOV.										
08...	--	--	--	--	--	--	26	6.1	16.5	--
08...	3.03	4	3	0	65	.9	38	6.6	16.5	30
APR.										
30...	--	--	2	0	58	.6	--	--	--	30
30...	--	--	--	--	--	--	21	5.1	19.5	--
AUG.										
07...	--	--	--	--	--	--	20	5.9	26.0	--

DATE	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)
NOV.										
08...	9.5	--	--	--	--	--	--	--	--	--
08...	--	3.2	.8	<.4	1.3	<.4	1.1	<.4	.07	.06
APR.										
30...	--	--	--	--	--	--	--	--	--	--
30...	9.4	--	--	--	--	--	--	--	--	--
AUG.										
07...	8.1	--	--	--	--	--	--	--	--	--

02479160 BLACK CREEK NEAR WIGGINS, MISS.

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens meridian, Stone County, at gaging station at bridge on State Highway 26, 1.7 miles (2.7 km) downstream from Flat Branch, 8.6 miles (13.8 km) upstream from Sweetwater Creek, and 13.4 miles (21.6 km) east of Wiggins.

DRAINAGE AREA.--730 mi² (1,890 km²) approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
NOV.											
15...	--	7.0	1.0	--	--	9	29	8.0	.05	.01	.70
MAR.											
06...	1590	--	--	--	--	--	--	--	--	--	--
APR.											
30...	1540	--	--	--	--	--	--	--	--	--	--
MAY											
02...	1130	5.0	15	2.6	.6	2	2.0	5.0	.00	.00	.16
02...	1130	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
NOV.											
15...	.73	.03	30	58	117	37	8	--	--	135	6.3
MAR.											
06...	--	--	--	--	--	--	--	--	--	30	5.1
APR.											
30...	--	--	--	--	--	--	--	--	--	20	5.6
MAY											
02...	.50	.00	11	13	60	36	20	7	.1	26	5.6
02...	--	--	--	--	--	--	--	--	--	32	6.7

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEMI-CAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEMI-CAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
NOV.										
15...	--	--	20	8.1	--	5.1	--	7200	--	--
MAR.										
06...	17.0	--	--	9.0	--	--	--	--	--	--
APR.										
30...	19.5	--	--	9.1	--	--	--	--	--	--
MAY										
02...	18.0	45	6	8.0	14	1.2	15	1100	16	14
02...	21.0	--	--	8.1	--	--	--	--	--	--

02480207 ESCATAWPA RIVER AT MOSS POINT, MISS.

LOCATION.--Lat 30°25'35", long 88°32'40", in sec.24, T.7 S., R.6 W., St. Stephens meridian, Jackson County, at bridge on State Highway 63, in Moss Point.

DRAINAGE AREA.--930 mi² (2,410 km²) approximately).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)
OCT.											
20...	--	--	--	--	--	--	--	.00	--	--	--
NOV.											
14...	--	--	--	--	--	--	--	.00	--	--	--
15...	285	610	--	--	38	470	54000	--	.01	.06	.36
29...	--	--	--	--	--	--	--	.90	--	--	--
FEB.											
21...	24	2.0	25	.9	4	11	35	.00	.00	.60	.56
21...	--	--	--	--	--	--	--	--	--	--	--
MAY											
08...	--	--	--	--	--	--	--	--	--	--	--
JULY											
19...	180	540	63	20	12	250	60	.00	.00	.27	1.6
19...	--	--	--	--	--	--	--	--	--	--	--

DATE	PHOSPHATE (PO4) (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	TOTAL RESIDUE (MG/L)	LOSS ON IGNITION (MG/L)	HARDNESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
OCT.										
20...	--	--	--	--	--	--	--	--	>800	--
NOV.										
14...	--	--	--	--	--	--	--	--	>800	--
15...	.10	4510	10	8340	50	890	--	--	760	6.5
29...	--	--	--	--	--	--	--	--	>800	--
FEB.										
21...	.08	277	6	284	180	76	44	1.3	98	5.7
21...	--	--	--	--	--	--	--	--	140	--
MAY										
08...	--	--	--	--	--	--	--	--	150	--
JULY										
19...	.20	3650	17	3660	920	840	5	.5	4850	5.9
19...	--	--	--	--	--	--	--	--	>800	--

DATE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)
OCT.										
20...	26.0	--	--	3.1	--	--	--	--	--	--
NOV.										
14...	17.0	--	--	4.5	--	--	--	--	--	--
15...	--	--	14	.8	--	>9.0	--	48500	--	--
29...	10.0	--	--	5.2	--	--	--	--	--	--
FEB.										
21...	--	50	15	6.1	23	3.6	2.5	1600	14	12
21...	11.0	--	--	10.5	--	--	--	--	--	--
MAY										
08...	22.1	--	--	5.0	--	--	--	--	--	--
JULY										
19...	15.0	20	8	5.1	30	--	4.0	9100	22	18
19...	29.0	--	--	5.4	--	--	--	--	--	--

02479160 BLACK CREEK NEAR WIGGINS, MISS.

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens meridian, Stone County, at gaging station at bridge on State Highway 26, 1.7 miles (2.7 km) downstream from Flat Branch, 8.6 miles (13.8 km) upstream from Sweetwater Creek, and 13.4 miles (21.6 km) east of Wiggins.

DRAINAGE AREA.--730 mi² (1,890 km²) approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
NOV.											
15...	--	7.0	1.0	--	--	9	29	4.0	.05	.01	.70
MAR.											
06...	1590	--	--	--	--	--	--	--	--	--	--
APR.											
30...	1560	--	--	--	--	--	--	--	--	--	--
MAY											
02...	1130	5.0	1.5	2.6	.5	2	2.0	5.0	.08	.00	.15
02...	1130	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
NOV.											
15...	.73	.03	38	50	117	37	8	--	--	125	6.3
MAR.											
06...	--	--	--	--	--	--	--	--	--	30	6.1
APR.											
30...	--	--	--	--	--	--	--	--	--	20	6.4
MAY											
02...	.50	.08	11	13	60	36	20	7	.1	24	6.5
02...	--	--	--	--	--	--	--	--	--	32	6.7

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
NOV.										
15...	--	--	20	9.1	--	5.1	--	7200	--	--
MAR.										
06...	17.0	--	--	9.0	--	--	--	--	--	--
APR.										
30...	19.5	--	--	9.1	--	--	--	--	--	--
MAY										
02...	19.0	65	6	8.9	14	1.2	15	1100	16	14
02...	21.0	--	--	8.1	--	--	--	--	--	--

02482550 PEARL RIVER NEAR CARTHAGE, MISS.

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw meridian, Leake County, at gaging station at bridge on State Highway 35, 2.1 miles (3.4 km) south of Carthage, 4.0 miles (6.4 km) downstream from Lobutcha Creek, and 10.8 miles (17.4 km) upstream from Tuscolameta Creek.

DRAINAGE AREA.--1,347 mi^2 (3,489 km^2).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
OCT.											
05...	125	7.0	9.0	--	--	14	17	6.0	.05	.00	.76
05...	--	--	--	--	--	--	--	--	.00	--	--
JAN.											
17...	--	12	3.0	--	--	7	68	3.0	.00	.00	.36
17...	--	--	--	--	--	--	--	--	.00	--	--
MAY											
01...	6280	12	12	2.6	1.2	8	.5	5.0	.00	.00	.23
01...	6280	--	--	--	--	--	--	--	--	--	--
JULY											
17...	960	11	14	2.5	1.5	15	2.0	3.8	.03	.00	.39
17...	960	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
05...	1.2	.22	25	48	73	47	16	--	--	44	6.4
05...	--	--	--	--	--	--	--	--	--	55	6.9
JAN.											
17...	.17	.26	65	12	77	0	15	--	--	25	6.6
17...	--	--	--	--	--	--	--	--	--	36	5.8
MAY											
01...	.62	.20	0	23	80	56	24	7	.1	35	6.0
01...	--	--	--	--	--	--	--	--	--	40	6.8
JULY											
17...	.95	.30	67	33	100	28	25	6	.1	47	7.1
17...	--	--	--	--	--	--	--	--	--	49	6.9

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
OCT.										
05...	--	30	47	7.3	10	4.9	--	19450	--	--
05...	22.0	--	--	7.9	--	--	--	--	--	--
JAN.										
17...	8.0	45	31	10.3	8	.1	2.5	800	12	9.5
17...	10.0	--	--	11.3	--	--	--	--	--	--
MAY										
01...	22.0	75	16	--	--	1.3	4.0	1400	21	17
01...	18.0	--	--	7.9	--	--	--	--	--	--
JULY										
17...	10.0	45	26	6.4	13	1.2	4.0	3200	16	12
17...	27.5	--	--	6.6	--	--	--	--	--	--

02486500 PEARL RIVER AT BYRAM, MISS.

LOCATION.--Lat 32°10'40", long 90°14'35", in NW¼ sec.19, T.4 N., R.1 E., Choctaw meridian, Hinds County, at bridge on county road, 0.2 mile (0.3 km) southeast of Byram, Miss.

DRAINAGE AREA.--3,430 mi² (8,880 km²), approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRATE (NO3) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	TOTAL NITRITE (NO2) (MG/L)
OCT.												
04...	264	23	10	--	--	44	16	12	.03	--	.00	--
04...	--	--	--	--	--	--	--	--	.00	--	--	--
JAN.												
16...	--	30	.0	3.5	1.8	1	125	2.5	--	.00	--	.00
16...	--	--	--	--	--	--	--	--	.00	--	--	--
APR.												
26...	--	12	13	2.8	1.4	7	.5	3.5	--	.04	--	.00
26...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
18...	--	30	24	13	2.5	26	44	8.8	--	.00	--	.00
18...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL AMMONIA (NH4) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
OCT.												
04...	1.9	--	3.3	1.6	93	22	127	67	33	--	--	135
04...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
16...	--	.79	.50	.22	26	24	70	20	30	9	.2	38
16...	--	--	--	--	--	--	--	--	--	--	--	40
APR.												
26...	--	.29	.78	.27	17	3	100	80	25	7	.1	31
26...	--	--	--	--	--	--	--	--	--	--	--	50
JULY												
18...	--	1.5	1.4	1.0	107	37	144	44	54	14	.4	190
18...	--	--	--	--	--	--	--	--	--	--	--	190

DATE	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
OCT.											
04...	6.5	--	40	20	.2	16	.8	15	197000	27	12
04...	6.8	23.0	--	--	2.3	--	--	--	--	--	--
JAN.											
16...	6.3	--	35	37	11.7	14	.3	1.5	1550	12	10
16...	--	6.0	--	--	12.2	--	--	--	--	--	--
APR.											
26...	6.3	10.0	50	32	--	19	2.2	4.0	9900	20	16
26...	6.4	19.0	--	--	9.1	--	--	--	--	--	--
JULY											
18...	7.1	12.0	25	20	.2	15	6.6	10	22600	24	14
18...	6.3	27.0	--	--	.6	--	--	--	--	--	--

02487000 PEARL RIVER NEAR GEORGETOWN, MISS.

LOCATION.--Lat 31°52'30", long 90°08'25", in SW¼ sec.31, T.1 N., R.2 E., Choctaw meridian, Copiah County, at bridge on State Highway 28, 2 miles (3.2 km) east of Georgetown, Miss.

DRAINAGE AREA.--3,790 mi² (9,820 km²), approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
NOV.											
07...	200	15	11	--	--	39	19	6.5	.10	.02	1.1
07...	--	--	--	--	--	--	--	--	.00	--	--
FEB.											
20...	8600	17	3.9	3.8	1.7	8	4.0	3.5	.00	.00	.26
20...	8600	--	--	--	--	--	--	--	--	--	--
APR.											
26...	--	10	14	2.4	1.2	8	.5	3.5	.01	.00	.25
26...	--	--	--	--	--	--	--	--	--	--	--
JULY											
18...	670	17	19	12	1.0	24	16	9.0	.07	.00	.37
18...	670	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
NOV.											
07...	1.6	1.9	81	32	113	117	26	--	--	110	6.7
07...	--	--	--	--	--	--	--	--	--	150	6.6
FEB.											
20...	.67	.66	225	23	248	204	20	13	.2	31	5.8
20...	--	--	--	--	--	--	--	--	--	47	7.2
APR.											
26...	.67	.29	24	0	120	96	24	6	.1	26	6.4
26...	--	--	--	--	--	--	--	--	--	58	6.5
JULY											
18...	1.3	.40	95	13	108	52	36	18	.5	115	7.3
18...	--	--	--	--	--	--	--	--	--	130	6.7

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
NOV.										
07...	--	25	11	4.2	15	4.0	9.0	7100	20	12
07...	19.5	--	--	3.9	--	--	--	--	--	--
FEB.										
20...	--	30	56	8.0	16	2.6	1.5	6400	11	9.5
20...	8.0	--	--	11.8	--	--	--	--	--	--
APR.										
26...	10.0	45	32	--	21	2.9	4.0	6350	20	16
26...	20.0	--	--	9.0	--	--	--	--	--	--
JULY										
18...	10.0	20	10	7.1	15	4.8	7.0	1600	20	13
18...	29.0	--	--	6.2	--	--	--	--	--	--

02488500 PEARL RIVER NEAR MONTICELLO, MISS.

LOCATION.--Lat 31°33', long 90°05', in SW¼ sec.23, T.7 N., R.21 W., St. Stephens meridian, Lawrence County, at gaging station at bridge on U.S. Highway 84, 1.0 mile (1.6 km) east of Monticello, 2.5 miles (4.0 km) upstream from Halls Creek, 3 miles (4.8 km) upstream from Silver Creek, and at mile 190.8 (307.0 km).

DRAINAGE AREA.--5,040 mi² (13,100 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
NOV.											
07...	--	--	--	--	--	--	--	--	.00	--	--
07...	--	--	--	--	--	--	--	--	.00	--	--
FEB.											
20...	14000	19	3.0	5.1	1.8	8	3.9	4.0	.00	.00	.32
20...	14000	--	--	--	--	--	--	--	--	--	--
APR.											
26...	44200	11	11	2.4	1.2	7	.5	3.5	.00	.00	.20
26...	44200	--	--	--	--	--	--	--	--	--	--
JULY											
18...	1190	13	17	14	2.0	24	20	6.3	.03	.00	.30
18...	1190	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
NOV.											
07...	--	--	--	--	--	--	--	--	--	110	6.8
07...	--	--	--	--	--	--	--	--	--	150	6.7
FEB.											
20...	.56	.29	338	30	368	296	22	15	.3	33	5.7
20...	--	--	--	--	--	--	--	--	--	58	7.4
APR.											
26...	.67	.22	11	40	140	89	22	7	.1	24	6.3
26...	--	--	--	--	--	--	--	--	--	60	6.5
JULY											
18...	.92	.20	94	10	104	40	30	23	.5	113	7.3
18...	--	--	--	--	--	--	--	--	--	115	6.0

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
NOV.										
07...	--	45	15	5.9	20	4.4	7.5	--	22	15
07...	20.0	--	--	6.5	--	--	--	--	--	--
FEB.										
20...	--	35	58	7.7	20	1.2	2.0	2000	12	10
20...	8.0	--	--	11.8	--	--	--	--	--	--
APR.										
26...	10.0	45	39	--	20	1.7	35	4800	16	12
26...	20.0	--	--	8.5	--	--	--	--	--	--
JULY										
18...	10.0	35	10	5.9	16	2.6	7.0	1700	20	13
18...	31.0	--	--	6.1	--	--	--	--	--	--

02489000 PEARL RIVER NEAR COLUMBIA, MISS.

LOCATION.--Lat 31°14', long 89°51', in E½ sec.7, T.3 N., R.18 W., St. Stephens meridian, Marion County, at bridge on U.S. Highway 98, 1.5 miles (2.4 km) southwest of Columbia, 2 miles (3.2 km) downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 miles (3.5 km) upstream from Silver Creek, and 2.8 miles (4.5 km) downstream from Jones Creek.

DRAINAGE AREA.--5,690 mi² (14,700 km²), approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
NOV.											
07...	--	11	9.0	--	--	31	21	10	.11	.00	.45
07...	--	--	--	--	--	--	--	--	.00	--	--
FEB.											
20...	--	19	5.0	5.2	1.8	6	8.4	5.0	.01	.00	.28
20...	--	--	--	--	--	--	--	--	--	--	--
APR.											
26...	36400	11	15	2.8	1.4	9	.5	4.0	.00	.00	.14
26...	36400	--	--	--	--	--	--	--	--	--	--
JULY											
18...	1660	9.0	15	6.5	1.0	15	8.0	6.0	.03	.08	.21
18...	1660	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
NOV.											
07...	1.8	.55	--	--	--	100	20	--	--	90	6.8
07...	--	--	--	--	--	--	--	--	--	120	6.6
FEB.											
20...	.67	.31	248	28	268	224	26	14	.3	41	5.6
20...	--	--	--	--	--	--	--	--	--	55	6.7
APR.											
26...	.78	.21	8	20	116	98	26	6	.1	40	6.7
26...	--	--	--	--	--	--	--	--	--	63	6.3
JULY											
18...	1.4	.20	77	3	80	32	24	14	.3	86	7.3
18...	--	--	--	--	--	--	--	--	--	76	6.5

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
NOV.										
07...	--	35	12	9.7	14	3.5	5.5	5700	14	8.5
07...	21.0	--	--	8.4	--	--	--	--	--	--
FEB.										
20...	--	35	62	7.2	18	2.3	2.0	9350	11	9.0
20...	11.0	--	--	11.3	--	--	--	--	--	--
APR.										
26...	25.0	50	30	--	19	3.2	4.0	2950	22	18
26...	23.0	--	--	8.8	--	--	--	--	--	--
JULY										
18...	10.0	25	15	10.5	6	3.1	5.0	950	12	7.0
18...	31.5	--	--	7.3	--	--	--	--	--	--

02490900 BOGUE CHITTO NEAR LEHR, MISS.

LOCATION.--Lat 31°01'20", long 90°12'20", on line between secs.28 and 29, T.1 N., R.10 W., Washington meridian, Walthall County, at bridge on county highway between Lehr and Dillion, and 1.0 mile (1.6 km) southwest of Lehr.

DRAINAGE AREA.--784 mi² (2,030 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
NOV.											
07...	6.0	15	--	--	12	76	12	.01	.00	.33	1.1
07...	--	--	--	--	--	--	--	.00	--	--	--
FEB.											
20...	8.0	6.8	5.0	.9	8	.9	6.5	.03	.00	.10	.28
20...	--	--	--	--	--	--	--	--	--	--	--
APR.											
26...	7.0	15	2.8	1.4	6	5.0	5.0	.02	.00	.21	.90
26...	--	--	--	--	--	--	--	--	--	--	--
JULY											
18...	6.0	13	3.0	.0	7	1.0	7.3	.00	.00	.22	1.1
18...	--	--	--	--	--	--	--	--	--	--	--

DATE	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
NOV.										
07...	.10	--	--	--	60	21	--	--	41	6.6
07...	--	--	--	--	--	--	--	--	58	6.6
FEB.										
20...	.11	195	17	212	186	14	19	.3	29	5.8
20...	--	--	--	--	--	--	--	--	47	6.7
APR.										
26...	.24	8	68	172	104	22	7	.1	35	6.4
26...	--	--	--	--	--	--	--	--	40	6.1
JULY										
18...	.10	37	3	40	16	19	9	.2	44	7.3
18...	--	--	--	--	--	--	--	--	46	6.4

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
NOV.										
07...	--	15	4	9.3	4	1.5	4.0	1850	8.0	4.0
07...	20.0	--	--	9.1	--	--	--	--	--	--
FEB.										
20...	--	15	23	7.2	4	1.4	2.0	600	8.0	6.0
20...	12.5	--	--	10.3	--	--	--	--	--	--
APR.										
26...	25.0	50	29	--	19	2.8	3.0	8300	16	13
26...	22.0	--	--	8.9	--	--	--	--	--	--
JULY										
18...	18.0	15	4	8.1	6	.9	2.0	1550	5.0	3.0
18...	27.0	--	--	7.9	--	--	--	--	--	--

MISSISSIPPI RIVER BASIN

OHIO RIVER BASIN

TENNESSEE RIVER BASIN

03592640 TENNESSEE RIVER AT INDIAN CREEK NEAR IUKA, MISS.

LOCATION.--Lat 34°55'51", long 88°09'36", in SE¼ sec.5, T.2 S., R.11 E., Chickasaw meridian, Tishomingo County, 8 miles (12.9 km) north of Iuka.

DRAINAGE AREA.--32,500 mi² (84,200 km²), approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
NOV.								
03...	21	4.4	6.9	1.8	--	15	8.2	.50
03...	--	--	--	--	57	--	--	--
14...	22	4.4	7.0	1.9	--	14	8.0	.40
14...	--	--	--	--	55	--	--	--
JAN.								
03...	17	3.3	3.6	1.6	--	12	4.0	.40
03...	--	--	--	--	45	--	--	--
FEB.								
22...	14	2.9	2.5	1.3	--	9.0	3.2	.50
22...	--	--	--	--	39	--	--	--

DATE	DIS-SOLVED NITRITE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
NOV.									
03...	.00	.19	.25	71	17	.4	--	--	--
03...	--	--	--	--	--	--	176	7.3	17.5
14...	.02	.01	.17	73	17	.4	--	--	--
14...	--	--	--	--	--	--	160	8.1	14.0
JAN.									
03...	.00	.39	.33	56	12	.2	--	--	--
03...	--	--	--	--	--	--	120	7.6	7.5
FEB.									
22...	.00	.04	.18	47	10	.2	--	--	--
22...	--	--	--	--	--	--	110	7.3	7.5

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
NOV.								
03...	6	--	--	30	--	--	--	--
03...	--	--	7.9	--	--	5.6	--	--
14...	15	--	--	40	.7	--	--	--
14...	--	--	11.6	--	--	.9	--	--
JAN.								
03...	30	--	--	22	1.9	--	16	--
03...	--	--	12.5	--	--	2.3	--	--
FEB.								
22...	30	15	--	7	1.9	--	170	16
22...	--	--	11.2	--	--	3.8	--	--

03592800 YELLOW CREEK NEAR DOSKIE, MISS.

LOCATION.--Lat 34°54'02", long 88°17'35", in sec.18, T.2 S., R.10 E., Chickasaw meridian, Tishomingo County, at gaging station on county road at Moser Bridge, 0.4 mile (0.6 km) south of Doskie, Miss.

DRAINAGE AREA.--143 mi² (370 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)
NOV.												
14...	3.5	1.3	1.7	2.6	--	6.0	2.8	.40	.00	.01	[illegible]	14
14...	--	--	--	--	7	--	--	--	--	--	--	--
JAN.												
03...	2.4	.9	1.8	1.4	--	4.8	2.0	.11	.00	.69	[illegible]	10
03...	--	--	--	--	6	--	--	--	--	--	--	--

DATE	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)
NOV.											
14...	17	.2	--	--	--	70	--	27	1.9	--	--
14...	--	--	<50	6.2	13.0	--	9.4	--	--	8.1	--
JAN.											
03...	26	.3	--	--	--	100	--	15	3.4	--	65
03...	--	--	36	6.1	9.0	--	12.4	--	--	10	--

07289000 MISSISSIPPI RIVER AT VICKSBURG, MISS.

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, at gaging station at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 miles (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,144,500 mi² (2,964,300 km²), approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DISCHARGE (CFS)	DEPTH (FT)	TOTAL IRON IN BOTTOM DEPOSITS (UG/G)	TOTAL NITRITE PLUS NITRATE IN BOT. DEP. (MG/KG)	TOTAL KJEL. NITROGEN IN BOTTOM DEP. (MG/KG)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
MAR.								
30...	--	--	--	--	--	--	--	--
APR.								
12...	1750000	66	--	--	--	--	12.0	--
12...	1750000	48	--	--	--	--	12.0	--
12...	1750000	28	--	--	--	--	--	--
12...	1750000	10	--	--	--	--	--	--
MAY								
03...	--	--	--	--	--	--	--	--
03...	--	--	1700	3.5	300	--	17.0	--
JUNE								
07...	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--
JULY								
13...	--	--	--	--	--	--	--	--
AUG.								
09...	--	--	--	--	--	--	--	--
SEP.								
06...	--	--	--	--	--	--	--	--
06...	338000	--	--	--	--	410	27.0	7.6

DATE	TOTAL PHYTOPLANKTON (CELLS PER ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ORGANIC CARBON IN BED MATERIAL (C) (G/KG)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM DEPOSITS (UG/G)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM DEPOSITS (UG/G)	TOTAL CHROMIUM IN BOTTOM DEPOSITS (UG/G)	TOTAL COBALT IN BOTTOM DEPOSITS (UG/G)
MAR.									
30...	--	--	--	--	--	1	--	--	--
APR.									
12...	--	5.5	--	6	--	0	--	--	--
12...	--	6.0	--	10	--	0	--	50	--
12...	--	5.5	--	4	--	0	--	40	--
12...	--	6.5	--	3	--	0	--	40	--
MAY									
03...	--	--	--	--	--	0	--	--	--
03...	56	--	.8	--	1	--	0	3	<20
JUNE									
07...	--	--	--	--	--	0	--	--	--
07...	4100	--	--	--	--	--	--	--	--
JULY									
13...	780	--	--	--	--	--	--	--	--
AUG.									
09...	540	--	--	--	--	--	--	--	--
SEP.									
06...	6000	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--

07289000 MISSISSIPPI RIVER AT VICKSBURG, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DEPTH (FT.)	ALDRIN (UG/L)	ALDRIN IN FINE FRACTION (UG/KG)	ALDRIN IN SAND FRACTION (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN FINE FRACTION (UG/KG)	CHLOR-DANE IN SAND FRACTION (UG/KG)	DDD (UG/L)	DDD IN FINE FRACTION (UG/KG)
APR.									
12...	18	--	.00	.00	--	.0	.0	--	.00
	54	--	.00	.00	--	.0	.0	--	.00
	90	--	.00	.00	--	.0	.0	--	.00
	126	.00	.00	.00	.0	.0	.0	.00	.00
19...	44	--	.00	.00	--	.0	.0	--	.00
	67	--	.00	.00	--	.0	.0	--	.00
	95	.00	.00	.00	.0	.0	.0	.00	.00
MAY									
03...	15	--	.00	.00	--	.0	.0	--	.00
	45	--	.00	.00	--	.0	.0	--	.00
	75	--	.00	.00	--	.0	.0	--	.00
	105	.00	.00	.00	.0	.0	.0	.00	.00
17...	18	--	.00	.00	--	.0	.0	--	.00
	54	--	.00	.00	--	.0	.0	--	.00
	90	--	.00	.00	--	.0	.0	--	.00
	126	.00	.00	.00	.0	.0	.0	.00	.00
JUNE									
07...	15	--	.00	.00	--	.0	.0	--	.00
	44	--	.00	.00	--	.0	.0	--	.00
	72	--	.00	.00	--	.0	.0	--	.00
	102	.00	.00	.00	.0	.0	.0	.00	.00

DATE	DEPTH (FT.)	DDD IN SAND FRACTION (UG/KG)	DDE (UG/L)	DDE IN FINE FRACTION (UG/KG)	DDE IN SAND FRACTION (UG/KG)	DDT (UG/L)	DDT IN FINE FRACTION (UG/KG)	DDT IN SAND FRACTION (UG/KG)	DI-AZINON (UG/L)
APR.									
12...	18	.00	--	.00	.00	--	.01	.00	--
	54	.00	--	.00	.00	--	.02	.00	--
	90	.00	--	.00	.00	--	.00	.00	--
	126	.00	.00	.00	.00	.00	.00	.00	.00
19...	44	.00	--	.00	.00	--	.02	.00	--
	67	.00	--	.00	.00	--	.04	.00	--
	95	.00	.00	.00	.00	.00	.00	.00	.00
MAY									
03...	15	.00	--	.00	.00	--	.00	.00	--
	45	.00	--	.00	.00	--	.00	.00	--
	75	.00	--	.00	.00	--	.00	.00	--
	105	.00	.00	.00	.00	.00	.00	.00	.01
17...	18	.00	--	.00	.00	--	.00	.00	--
	54	.00	--	.00	.00	--	.00	.00	--
	90	.00	--	.00	.00	--	.00	.00	--
	126	.00	.00	.00	.00	.01	.00	.00	.01
JUNE									
07...	15	.00	--	.00	.00	--	[illegible]	.00	--
	44	.00	--	.00	.00	--	[illegible]	.00	--
	72	.00	--	.00	.00	--	.03	.00	--
	102	.00	.00	.00	.00	.00	.02	.00	.00

07289000 MISSISSIPPI RIVER AT VICKSBURG, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DEPTH (FT.)	DI-AZINON IN FINE FRACTION (UG/KG)	DI-AZINON IN SAND FRACTION (UG/KG)	DI-ELDRIN (UG/L)	DI-ELDRIN IN FINE FRACTION (UG/KG)	DI-ELDRIN IN SAND FRACTION (UG/KG)	ENDRIN (UG/L)	ENDRIN IN FINE FRACTION (UG/KG)	ENDRIN IN SAND FRACTION (UG/KG)
APR. 12...	18	.00	.00	--	.00	.00	--	.00	.00
	54	.00	.00	--	.00	.00	--	.00	.00
	90	.00	.00	--	.00	.00	--	.00	.00
	126	.00	.00	.00	.00	.00	.00	.00	.00
19...	44	.00	.00	--	.00	.00	--	.00	.00
	67	.00	.00	--	.00	.00	--	.00	.00
	95	.00	.00	.00	.00	.00	.00	.00	.00
MAY 03...	15	.00	.00	--	.00	.00	--	.00	.00
	45	.00	.00	--	.00	.00	--	.00	.00
	75	.00	.00	--	.00	.00	--	.00	.00
	105	.00	.00	.01	.00	.00	.00	.00	.00
17...	18	.00	.00	--	.00	.00	--	.00	.00
	54	.00	.00	--	.00	.00	--	.00	.00
	90	.00	.00	--	.00	.00	--	.00	.00
	126	.00	.00	.01	.00	.00	.00	.00	.00
JUNE 07...	15	.00	.00	--	.00	.00	--	.00	.00
	44	.00	.00	--	.00	.00	--	.00	.00
	72	.03	.02	--	.01	.00	--	.00	.00
	102	.01	.00	.00	.00	.00	.00	.00	.00

DATE	DEPTH (FT.)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN FINE FRACTION (UG/KG)	HEPTA-CHLOR IN SAND FRACTION (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN FINE FRACTION (UG/KG)	HEPTA-CHLOR EPOXIDE IN SAND FRACTION (UG/KG)	LINDANE (UG/L)	LINDANE IN FINE FRACTION (UG/KG)
APR. 12	18	--	.00	.00	--	.00	.00	--	.00
	54	--	.00	.00	--	.00	.00	--	.00
	90	--	.00	.00	--	.00	.00	--	.00
	126	.00	.00	.00	.00	.00	.00	.00	.00
19...	44	--	.00	.00	--	.00	.00	--	.00
	67	--	.00	.00	--	.00	.00	--	.00
	95	.00	.00	.00	.00	.00	.00	.00	.00
MAY 03...	15	--	.00	.00	--	.00	.00	--	.00
	45	--	.00	.00	--	.00	.00	--	.00
	75	--	.00	.00	--	.00	.00	--	.00
	105	.00	.00	.00	.00	.00	.00	.00	.00
17...	18	--	.00	.00	--	.00	.00	--	.00
	54	--	.00	.00	--	.00	.00	--	.00
	90	--	.00	.00	--	.00	.00	--	.00
	126	.00	.00	.00	.00	.00	.00	.00	.00
JUNE 07...	15	--	.00	.00	--	.00	.00	--	.00
	44	--	.00	.00	--	.00	.00	--	.00
	72	--	.00	.00	--	.00	.00	--	.00
	102	.00	.00	.00	.00	.00	.00	.00	.00

07289000 MISSISSIPPI RIVER AT VICKSBURG, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TOTAL COPPER IN BOTTOM DE-POSITS (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM DE-POSITS (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM DE-POSITS (UG/G)	TOTAL SELE-NIUM IN BOTTOM DE-POSITS (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM DE-POSITS (UG/G)
MAR.								
30...	--	110	--	<.5	--	--	70	--
APR.								
12...	--	<100	--	.2	--	--	40	--
12...	--	<100	--	.1	--	--	--	--
12...	--	<100	--	.2	--	--	--	--
12...	--	<100	--	.2	--	--	--	--
MAY								
03...	--	12	--	<.5	--	--	60	--
03...	2	--	<10	--	.0	0	--	8
JUNE								
07...	--	24	--	<.5	--	--	70	--
07...	--	--	--	--	--	--	--	--
JULY								
13...	--	--	--	--	--	--	--	--
AUG.								
09...	--	--	--	--	--	--	--	--
SEP.								
06...	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--

DATE	PERI-PHYTON TYPE 1 (CODOM-INANTS)	PERI-PHYTON TYPE 1 BIOMASS DRY WEIGHT (G/M³)	PERI-PHYTON TYPE 1 BIOMASS ASH WEIGHT (G/M³)	BENTHIC INVERTE-BRATES TYPE 1 (TOTAL COUNT)	BENTHIC INVERTE-BRATES TYPE 1 (AMPHI-PODA)	BENTHIC INVERTE-BRATES TYPE 1 (DIPTERA CHIRONOM-IDAE)	BENTHIC INVERTE-BRATES TYPE 1 (EPHEMER-OPTERA)	BENTHIC INVERTE-BRATES TYPE 1 (TRICHOP-TERA)	BENTHIC INVERTE-BRATES TYPE 1 BIOMASS (G/M³)
JUNE									
07...	--	--	--	3	--	1	--	2	0.1
AUG.									
09...	--	--	--	28	1	3	24	--	0.3
SEP.									
06...	STEPHANODISCUS MELOSIRA	--	--	--	--	--	--	--	--

07289000 MISSISSIPPI RIVER AT VICKSBURG, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DEPTH (FT.)	LINDANE IN SAND FRACTION (UG/KG)	MALA-THION (UG/L)	MALA-THION IN FINE FRACTION (UG/KG)	MALA-THION IN SAND FRACTION (UG/KG)	METHYL PARA-THION (UG/L)	METHYL PARA-THION IN FINE FRACTION (UG/KG)	METHYL PARA-THION IN SAND FRACTION (UG/KG)	PARA-THION (UG/L)
APR.									
12...	18	.00	--	.00	.00	--	.00	.00	--
	54	.00	--	.00	.00	--	.00	.00	--
	90	.00	--	.00	.00	--	.00	.00	--
	126	.00	.00	.00	.00	.00	.00	.00	.00
19...	44	.00	--	.00	.00	--	.00	.00	--
	67	.00	--	.00	.00	--	.00	.00	--
	95	.00	.00	.00	.00	.00	.00	.00	.00
MAY									
03...	15	.00	--	.00	.00	--	.00	.00	--
	45	.00	--	.00	.00	--	.00	.00	--
	75	.00	--	.00	.00	--	.00	.00	--
	105	.00	.00	.00	.00	.00	.00	.00	.00
17...	18	.00	--	.00	.00	--	.00	.00	--
	54	.00	--	.00	.00	--	.00	.00	--
	90	.00	--	.00	.00	--	.00	.00	--
	126	.00	.00	.00	.00	.00	.00	.00	.00
JUNE									
07...	15	.00	--	.00	.00	--	.00	.00	--
	44	.00	--	.00	.00	--	.00	.00	--
	72	.00	--	.00	.00	--	.00	.00	--
	102	.00	.00	.00	.00	.00	.00	.00	.00

DATE	DEPTH (FT.)	PARA-THION IN FINE FRACTION (UG/KG)	PARA-THION IN SAND FRACTION (UG/KG)	PCB (UG/L)	PCB IN FINE FRACTION (UG/KG)	PCB IN SAND FRACTION (UG/KG)
APR.						
12...	18	.00	.00	--	.0	.5
	54	.00	.00	--	.0	.0
	90	.00	.00	--	.0	.0
	126	.00	.00	.0	.0	.0
19...	44	.00	.00	--	.0	.0
	67	.00	.00	--	.0	.0
	95	.00	.00	.0	.0	.0
MAY						
03...	15	.00	.00	--	.0	.0
	45	.00	.00	--	.0	.0
	75	.00	.00	--	.0	.0
	105	.00	.00	.0	.0	.0
17...	18	.00	.00	--	.0	.0
	54	.00	.00	--	.0	.0
	90	.00	.00	--	.0	.0
	126	.00	.00	.0	.0	.0
JUNE						
07...	15	.00	.00	--	.0	.0
	44	.00	.00	--	.0	.0
	72	.00	.00	--	.4	.0
	102	.00	.00	.0	.0	.0

07290000 BIG BLACK RIVER NEAR BOVINA, MISS.

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington meridian, Hinds County, at gaging station at bridge on U.S. Highway 80 (old), 300 ft (90 m) upstream from Clear Creek, 0.4 mile (0.6 km) upstream from Illinois Central Railroad bridge, 2 miles (3.2 km) east of Bovina, 12 miles (19.3 km) upstream from Fourteenmile Creek, and at mile 61.7 (99.3 km).

DRAINAGE AREA.--2,810 mi² (7,280 km²), approximately, includes that of Clear Creek.

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
OCT.											
04...	625	23	6.0	--	--	24	11	22	.09	.00	.90
04...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
16...	--	26	4.0	3.7	1.7	9	80	5.0	.00	.00	.54
16...	--	--	--	--	--	--	--	--	--	--	--
APR.											
26...	8780	16	22	4.6	1.8	17	.5	7.0	.04	.00	.15
26...	8780	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
04...	2.6	1.1	106	164	270	173	29	--	--	120	6.5
04...	--	--	--	--	--	--	--	--	--	140	7.0
JAN.											
16...	.95	.45	24	76	110	0	30	0	.2	28	6.8
16...	--	--	--	--	--	--	--	--	--	44	--
APR.											
26...	.98	.58	0	188	220	320	38	7	.2	67	6.4
26...	--	--	--	--	--	--	--	--	--	73	7.3

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
OCT.										
04...	--	45	160	5.4	16	2.9	7.5	2750	20	13
04...	21.5	--	--	--	--	--	--	--	--	--
JAN.										
16...	--	50	64	11.5	16	1.6	2.5	8200	18	16
16...	6.5	--	--	11.5	--	--	--	--	--	--
APR.										
26...	20.0	50	110	--	--	.7	6.0	2900	20	14
26...	18.5	--	--	6.8	--	--	--	--	--	--

07290650 BAYOU PIERRE NEAR WILLOWS, MISS.

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington meridian, Claiborne County, at gaging station, at bridge on county highway, 1.4 miles (2.3 km) upstream from South Fork Bayou Pierre, and 1.7 miles (2.7 km) southeast of Willows.

DRAINAGE AREA.--653 mi² (1,690 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
OCT.											
04...	62	--	--	14	9.0	20	23	9.5	.03	.00	.69
04...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
16...	--	18	9.0	7.6	1.5	13	54	6.5	.00	.00	.51
16...	--	--	--	--	--	--	--	--	--	--	--
APR.											
26...	892	12	15	4.9	1.2	13	2.8	5.0	.00	.00	.03
26...	892	--	--	--	--	--	--	--	--	--	--

DATE	ORGANIC NITRO-GEN (N) (MG/L)	PHOS-PHATE (PO4) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
04...	1.2	.28	46	34	80	57	23	47	1.3	76	7.1
04...	--	--	--	--	--	--	--	--	--	78	7.5
JAN.											
16...	.50	.24	39	154	193	8	27	16	.4	47	7.4
16...	--	--	--	--	--	--	--	--	--	80	--
APR.											
26...	.50	.21	15	53	140	72	27	10	.2	57	6.3
26...	--	--	--	--	--	--	--	--	--	65	7.1

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
OCT.										
04...	--	35	15	8.6	7	.7	6.0	1900	14	8.0
04...	27.0	--	--	--	--	--	--	--	--	--
JAN.										
16...	--	15	27	10.3	9	.8	4.0	750	9.0	5.0
16...	9.0	--	--	10.5	--	--	--	--	--	--
APR.										
26...	20.0	25	30	--	--	3.2	5.0	3700	13	8.0
26...	20.0	--	--	7.6	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

PASCAGOULA RIVER BASIN

02472000 LEAF RIVER NEAR COLLINS, MISS. (LAT 31°42'25", LONG 89°24'25")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
18...	--	.00	60	6.8	24.0	8.5
NOV.						
30...	--	.00	95	6.3	10.0	8.7
MAR.						
05...	2870	--	55	6.1	16.5	9.9
APR.						
26...	12700	--	30	5.9	20.5	9.1

02472500 BOWIE CREEK NEAR HATTIESBURG, MISS. (LAT 31°25'32", LONG 89°24'53")

DATE	DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
MAR.					
06...	798	29	5.3	17.0	8.8
MAY					
01...	518	30	5.9	18.4	8.9

02472850 OKATOMA CREEK AT SANFORD, MISS. (LAT 31°29'20", LONG 89°26'00")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
NOV.						
30...	--	.00	50	5.9	10.0	9.2
MAR.						
06...	1030	--	33	5.3	16.0	8.6
MAY						
01...	580	--	39	5.8	17.3	9.0

02473480 TALLAHATTAH CREEK NEAR WALDRUP, MISS. (LAT 31°51'40", LONG 89°05'10")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
18...	--	.00	>800	7.1	23.0	6.9
NOV.						
30...	--	.00	>800	6.8	10.0	6.8
MAR.						
05...	59	--	290	6.3	15.5	9.0
APR.						
26...	630	--	860	5.8	18.7	9.3

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

PASCAGOULA RIVER BASIN--Continued

02473500 TALLAHALA CREEK AT LAUREL, MISS. (LAT 31°40'50", LONG 89°06'55")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
18...	--	.00	350	7.1	24.0	5.5
NOV.						
30...	--	.00	150	6.5	10.0	8.3
MAR.						
05...	771	--	80	6.0	16.5	9.6
APR.						
26...	6770	--	30	5.6	19.4	8.2

02474100 TALLAHOMA CREEK NEAR LAUREL, MISS. (LAT 31°42'50". LONG 89°09'56")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
18...	--	.00	95	6.9	26.0	5.3
NOV.						
30...	--	.00	75	6.3	10.5	9.0
MAR.						
05...	678	--	49	5.7	17.0	9.3
APR.						
26...	--	--	20	5.3	21.4	8.1

02474300 TALLAHALA CREEK NEAR ELLISVILLE, MISS. (LAT 31°35'27", LONG 89°10'00")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
18...	--	.00	>800	7.5	23.5	.5
NOV.						
30...	--	.00	200	5.8	10.0	6.3
MAR.						
05...	2350	--	92	6.0	16.5	8.9
APR.						
26...	--	--	30	5.3	22.0	7.9

02474670 BOGUE HOMO NEAR NEW AUGUSTA, MISS. (LAT 31°15'42", LONG 89°00'10")

DATE	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.					
19...	.00	70	6.6	20.0	7.9
NOV.					
29...	.00	150	5.9	11.0	8.5
MAR.					
06...	--	76	5.6	18.0	9.4
APR.					
30...	--	60	5.6	19.4	8.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

PASCAGOULA RIVER BASIN--Continued

02474820 THOMPSON CREEK NEAR HINTONVILLE, MISS. (LAT 31°15'40", LONG 88°54'08")

DATE	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.					
19...	.00	50	6.0	20.0	7.8
NOV.					
29...	.00	45	5.4	10.5	8.7
MAR.					
06...	--	34	4.9	18.0	8.9
APR.					
30...	--	38	4.4	18.0	8.5

02475000 LEAF RIVER NEAR MCLAIN, MISS. (LAT 31°06'10", LONG 88°48'30")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
19...	--	.00	80	6.4	22.5	6.8
NOV.						
29...	--	.00	80	5.9	11.5	9.5
MAR.						
06...	9050	--	36	5.9	18.0	9.6
APR.						
30...	34200	--	39	5.2	20.0	5.8

02475500 CHUNKY RIVER NEAR CHUNKY, MISS. (LAT 32°19'35", LONG 88°54'35")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
17...	--	.00	54	7.1	23.5	8.3
NOV.						
14...	--	.00	100	7.1	10.0	9.3
MAR.						
05...	690	--	70	6.9	16.0	7.3
MAY						
09...	5070	--	36	5.5	20.2	7.4

02475700 CHUNKY RIVER NEAR ENTERPRISE, MISS. (LAT 32°11'30", LONG 88°49'30")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
17...	--	.00	60	7.3	24.0	8.4
NOV.						
28...	--	.00	65	6.8	10.0	9.0
MAR.						
05...	790	--	60	7.5	16.0	7.8
MAY						
09...	6600	--	38	5.6	19.3	7.9

WATER-QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

PASCAGOULA RIVER BASIN--Continued

02476000 OKATIBBEE CREEK NEAR MERIDIAN, MISS. (LAT 32°21'15", LONG 88°45'25")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
17...	--	.00	56	7.1	23.0	8.4
NOV.						
27...	--	.00	60	6.7	10.5	8.7
MAR.						
05...	111	--	55	7.2	16.0	7.0
MAY						
09...	770	--	38	5.6	20.7	7.5

02476500 SOWASHEE CREEK AT MERIDIAN, MISS. (LAT 32°22'10", LONG 88°40'40")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
17...	--	.00	65	7.4	25.0	7.6
NOV.						
27...	--	.00	75	6.4	12.0	5.7
MAR.						
05...	59	--	62	7.5	16.0	8.1
MAY						
09...	180	--	45	5.7	19.8	9.0

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MISS. (LAT 32°10'30", LONG 88°49'15")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
17...	--	.00	200	7.1	24.0	6.0
NOV.						
28...	--	.00	90	6.8	10.5	9.5
MAR.						
05...	1360	--	55	7.3	16.0	7.6
MAY						
09...	9010	--	37	5.6	19.8	8.0

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MISS. (LAT 31°50'50", LONG 88°41'24")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
17...	--	.00	120	7.6	24.0	8.6
NOV.						
28...	--	.00	90	6.9	11.0	8.3
MAR.						
05...	2020	--	80	7.4	16.5	7.3
MAY						
09...	8000	--	47	5.6	20.5	8.2

PASCAGOULA RIVER BASIN--Continued

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MISS. (LAT 31°40'20", LONG 88°41'00")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
18...	--	.00	200	6.9	23.0	6.8
NOV.						
28...	--	.00	190	6.9	11.0	8.3
MAR.						
06...	2810	--	160	7.4	16.0	8.3
MAY						
09...	7720	--	86	6.3	18.8	8.5

02477990 BUCKATUNNA CREEK NEAR DENHAM, MISS. (LAT 31°41'38", LONG 88°31'10")

DATE	DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.					
19...	--	148	7.1	20.5	8.2
NOV.					
28...	--	230	7.1	10.0	8.8
MAR.					
06...	819	80	7.0	15.0	8.3
MAY					
09...	2580	72	6.4	19.1	8.5

02478030 BUCKATUNNA CREEK NEAR BUCKATUNNA, MISS. (LAT 31°31'15", LONG 88°30'18")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
18...	--	.00	60	7.1	22.0	8.5
NOV.						
28...	--	.00	110	6.9	11.0	8.7
MAR.						
06...	1110	--	75	7.5	16.0	8.3
MAY						
09...	--	--	62	5.8	19.0	8.3

02479000 PASCAGOULA RIVER AT MERRILL, MISS. (LAT 30°58'40", LONG 88°43'35")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
19...	--	.00	125	5.6	23.0	7.5
NOV.						
14...	--	.00	90	6.0	15.0	10.5
28...	--	.00	120	6.9	11.0	8.5
MAR.						
06...	12900	--	90	7.4	17.0	7.6
MAY						
10...	26200	--	46	5.8	21.0	8.3

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

PASCAGOULA RIVER BASIN--Continued

02479100 BLACK CREEK NEAR PURVIS, MISS. (LAT 31°11'25", LONG 89°22'36")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.						
19...	--	.00	100	6.5	20.0	7.3
NOV.						
30...	--	.00	110	6.3	10.0	8.9
MAR.						
07...	270	--	36	5.3	17.0	9.4
MAY						
01...	315	--	34	5.4	17.3	8.2

02479130 BLACK CREEK NEAR BROOKLYN, MISS. (LAT 31°03'06", LONG 89°12'16")

DATE	DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
MAR.					
06...	712	30	5.2	16.5	9.8
APR.					
30...	852	25	5.2	19.0	9.2

02479191 RED CREEK AT PERKINSTON, MISS. (LAT 30°47'02", LONG 89°08'10")

DATE	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
NOV.					
29...	.00	75	5.4	11.0	8.3
MAR.					
06...	--	88	5.0	17.5	8.9
APR.					
30...	--	49	5.4	20.0	9.0

02479300 RED CREEK AT VESTRY, MISS. (LAT 30°44'10", LONG 88°46'50")

DATE	DIS-CHARGE (CFS)	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
NOV.						
29...	--	.00	110	5.4	11.0	9.1
MAR.						
06...	1640	--	46	6.4	18.0	7.6
MAY						
08...	1290	--	47	5.1	21.0	9.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

PASCAGOULA RIVER BASIN--Continued

02479330 PASCAGOULA RIVER AT CUMBEST BLUFF, MISS. (LAT 30°35'02", LONG 88°34'15")

DATE	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.					
20...	.00	110	6.6	23.0	8.1
NOV.					
29...	.00	115	6.8	11.0	8.3
MAR.					
06...	--	73	6.4	18.0	7.5
MAY					
08...	--	62	5.7	20.3	7.0

02479580 ESCATAWPA RIVER NEAR HARLESTON, MISS. (LAT 30°43'40", LONG 88°27'20")

DATE	DIS-SOLVED NITRATE (N) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
OCT.					
20...	.00	35	6.2	19.0	9.3
NOV.					
29...	.00	55	4.9	10.5	9.3
MAR.					
06...	--	35	5.2	17.0	6.3
MAY					
08...	--	28	4.2	20.3	8.8

WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
PASCAGOULA RIVER BASIN											
02479170 - BIG BLACK C. NR. BENNDALE, MISS. (LAT 30 46 50 LONG 088 45 40)											
NOV., 1972											
14...	--	--	--	--	--	--	--	--	.00	--	--
29...	--	--	--	--	--	--	--	--	.00	--	--
FEB., 1973											
21...	620	5.0	10	2.7	.6	5	1.0	4.5	--	.00	.21
21...	620	--	--	--	--	--	--	--	--	--	--
JOURDAN RIVER BASIN											
02481660 - JOURDAN R. NR. BAY ST. LOUIS, MISS. (LAT 30 23 30 LONG 089 26 40)											
FEB., 1973											
21...	--	15	.8	8.6	.7	6	2.9	11	.00	.00	.21
21...	--	--	--	--	--	--	--	--	--	--	--
PEARL RIVER BASIN											
02492502 - HOBOLOCHITTO C. NR. PICAYUNE, MISS. (LAT 30 32 30 LONG 089 44 22)											
NOV., 1972											
14...	--	6.0	.8	--	--	20	21	5.5	--	.00	.36
14...	--	--	--	--	--	--	--	--	.00	--	--
FEB., 1973											
21...	620	5.0	11	5.9	1.0	5	1.5	2.7	.00	.00	.04
21...	620	--	--	--	--	--	--	--	--	--	--
YAZOO RIVER BASIN											
07288800 - YAZOO RIVER AT REDWOOD, MISS. (LAT 32 29 16 LONG 090 49 00)											
OCT., 1972											
04...	--	31	15	--	--	62	14	1.0	.08	.00	.73
04...	--	--	--	--	--	--	--	--	--	--	--
JAN., 1973											
16...	--	28	10	3.4	2.6	18	111	2.0	.00	.08	.55
16...	--	--	--	--	--	--	--	--	--	--	--

DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOL-VED ORGANIC CARBON (C) (MG/L)
PASCAGOULA RIVER BASIN										
02479170 BIG BLACK CREEK NEAR BENNDALE, MISS. (LAT 30°46'50", LONG 88°45'40")										
NOV., 1972										
14...	15.0	--	--	11.0	--	--	--	--	--	--
29...	10.0	--	--	9.2	--	--	--	--	--	--
FEB., 1973										
21	--	30	6	8.1	10	.9	2.0	1100	9.0	7.0
21	11.0	--	--	11.6	--	--	--	--	--	--
JOURDAN RIVER BASIN										
02481660 JOURDAN RIVER NEAR BAY ST. LOUIS, MISS. (LAT 30°23'30", LONG 89°26'40")										
FEB., 1973										
21...	--	30	9	7.6	20	2.4	3.0	900	13	10
21...	11.5	--	--	11.1	--	--	--	--	--	--
PEARL RIVER BASIN										
02492502 HOBOLOCHITTO CREEK NEAR PICAYUNE, MISS. (LAT 30°32'30", LONG 89°44'22")										
NOV., 1972										
14...	--	--	12	5.8	--	2.5	--	22000	--	--
14...	17.0	--	--	9.3	--	--	--	--	--	--
FEB., 1973										
21...	--	35	10	7.2	12	1.0	3.5	1050	12	8.5
21...	10.0	--	--	10.8	--	--	--	--	--	--
YAZOO RIVER BASIN										
07288800 YAZOO RIVER AT REDWOOD, MISS. (LAT 32°29'16", LONG 90°49'00")										
OCT., 1972										
04...	--	35	100	5.9	10	2.8	12	16550	19	7.0
04...	25.0	--	--	--	--	--	--	--	--	--
JAN., 1973										
16...	--	40	110	10.0	15	.0	5.0	7950	16	11
16...	8.0	--	--	9.4	--	--	--	--	--	--

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WATER QUALITY DATA, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	ORGANIC NITROGEN (N) (MG/L)	PHOSPHATE (PO4) (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	TOTAL RESIDUE (MG/L)	LOSS ON IGNITION (MG/L)	HARDNESS (CA,MG) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)
PASCAGOULA RIVER BASIN											
02479170 - BIG BLACK C. NR. BENNDALE, MISS. (LAT 30 46 50 LONG 088 45 40)											
NOV., 1972											
14...	--	--	--	--	--	--	--	--	--	75	5.8
29...	--	--	--	--	--	--	--	--	--	32	5.7
FEB., 1973											
21...	.20	.11	183	17	200	160	15	10	.2	18	6.3
21...	--	--	--	--	--	--	--	--	--	20	6.0
JOURDAN RIVER BASIN											
02481660 - JOURDAN R. NR. BAY ST. LOUIS, MISS. (LAT 30 23 30 LONG 089 26 40)											
FEB., 1973											
21...	.56	.59	227	33	260	228	15	33	.6	46	6.8
21...	--	--	--	--	--	--	--	--	--	65	6.5
PEARL RIVER BASIN											
02492502 - HOBOLOCHITTO C. NR. PICAYUNE, MISS. (LAT 30 32 30 LONG 089 44 22)											
NOV., 1972											
14...	.45	.11	13	20	47	13	6	--	--	60	7.7
14...	--	--	--	--	--	--	--	--	--	58	6.1
FEB., 1973											
21...	.22	.11	25	3	48	20	16	18	.3	23	5.9
21...	--	--	--	--	--	--	--	--	--	41	6.2
YAZOO RIVER BASIN											
07288800 - YAZOO RIVER AT REDWOOD, MISS. (LAT 32 29 16 LONG 090 49 00)											
OCT., 1972											
04...	.84	.55	490	194	243	193	46	--	--	110	6.8
04...	--	--	--	--	--	--	--	--	--	125	7.3
JAN., 1973											
16...	.67	.40	40	170	233	23	38	6	.1	40	6.6
16...	--	--	--	--	--	--	--	--	--	55	--

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